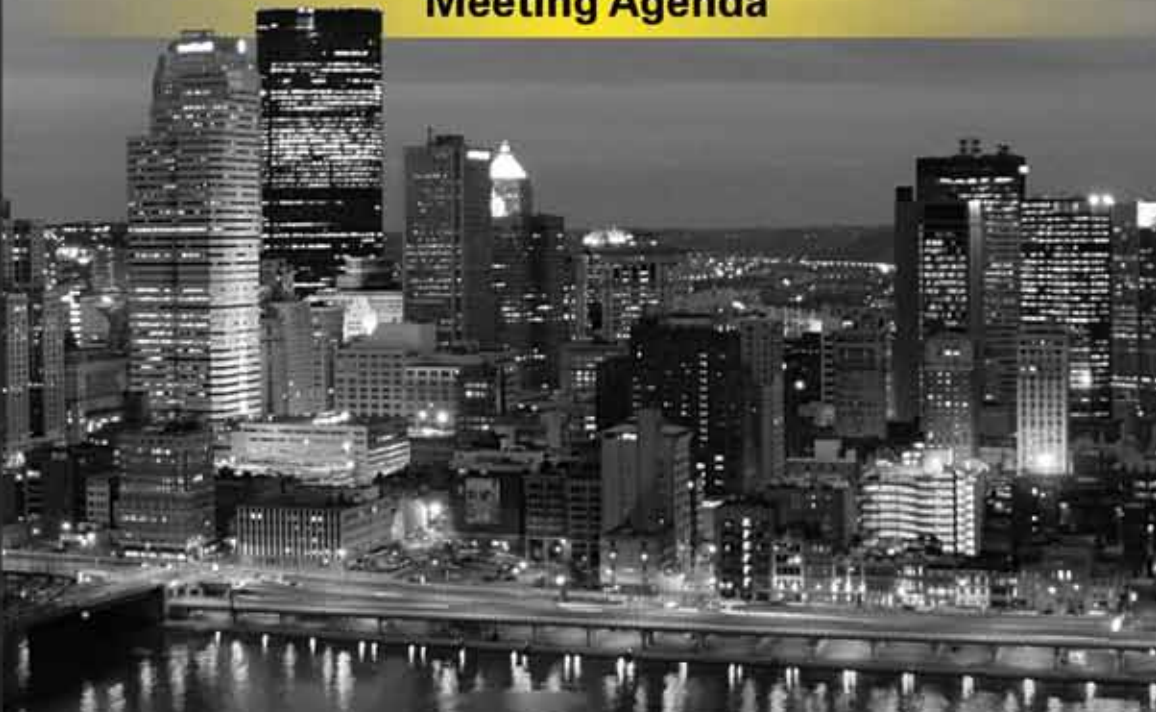
FLC NATIONAL MEETING

Pittsburgh, PA • April 30 - May 3 • 2012

BRIDGING

FEDERAL TECHNOLOGIES AND INDUSTRY

Meeting Agenda



2012
FLC National Meeting

This agenda belongs to: _____

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to the Registration Desk
or contact me at: _____

Welcome to Pittsburgh!

Welcome to the FLC's 2012 national meeting, Bridging Federal Technologies and Industry! This year's theme is inspired by Pittsburgh's evolution, a city once known for its manufacturing capabilities has now transformed itself into a powerful technology and innovation hub. The theme also underscores FLC's ultimate mission of creating a bridge between the innovative technologies created in federal laboratories and the marketplace. Technology transfer is made possible by the many members of the innovation ecosystem: scientists, entrepreneurs, academia, venture capitalists, industry, federal agencies, economic development organizations and all T2 professionals.

This is an exciting time for technology transfer and innovation! The landscape of technology transfer is undergoing a transformation, with an Innovation Challenge issued by the President, and American Invents Act, the most substantive change to US patent law since 1836, we as a community must react and adapt to the new challenges we may face. At this year's meeting, we will aim to highlight the exciting new facets of technology transfer and patent law and continue to explore the latest strategies, policies, and procedures through expert speakers and sessions designed to provide the critical T2 information you will need to succeed as a tech transfer professional.

Don't miss out on the other great events we have to offer at the 2012 meeting! Join us for the networking reception on Monday evening where you will enjoy hors d'oeurves and refreshments, the FLC Tech Fair, where the best and brightest researchers will display their promising technologies, Industry Day, where you will have the opportunity to mingle with private industry, and the FLC awards ceremony where those who achieved excellence in technology transfer will be honored.

Wishing you a productive meeting,

Mojdeh Bahar

Mojdeh Bahar
FLC Chair

Agenda

Monday, April 30, 2012

7:00 - 8:00 a.m.	**Breakfast** *Reflections*			
LOCATION	**Waterfront**	**Grand Station 4**	**Grand Station 5**	**Grand Station 3**
8:00 - 10:00 a.m.	**Beginner:** Technology Transfer Fundamentals	**Intermediate:** Patents and Intellectual Property Protection	**Intermediate:** Licensing & Negotiation	**Advanced:** Advanced Topics in Technology Transfer
10:00 - 10:30 a.m.	**Break** *Reflections*			
10:30 - 12 noon	**Beginner:** Technology Transfer Fundamentals	**Intermediate:** Patents and Intellectual Property Protection	**Intermediate:** Licensing & Negotiation	**Advanced:** Advanced Topics in Technology Transfer
Noon - 1:30 p.m.	**Lunch** *Reflections*			
1:30 - 3:30 p.m.	**Beginner:** Technology Transfer Fundamentals	**Intermediate:** Patents and Intellectual Property Protection	**Intermediate:** Licensing & Negotiation	**Advanced:** Advanced Topics in Technology Transfer
3:30 - 4:00 p.m.	**PM Break** *Reflections*			
4:00 - 5:00 p.m.	**Beginner:** Technology Transfer Fundamentals	**Intermediate:** Patents and Intellectual Property Protection	**Intermediate:** Licensing & Negotiation	**Advanced:** Advanced Topics in Technology Transfer
5:30 - 8:00 p.m.	**Welcome Reception** *Reflections*			

Agenda

Tuesday, May 1, 2012

7:00 - 8:00 a.m.	**Breakfast** Awards Committee Meeting Education & Training Committee Meeting *Reflections & Admiral*		
8:00 - 8:30 a.m.	**Opening Ceremony** Grand Station 1 & 2		
8:30 - 10:00 a.m.	**Keynote Address** *Grand Station 1 & 2*		
10:00 -10:30 a.m.	**AM Break - Courtesy of Dialog** *Reflections/Waterfront/Admiral*		
LOCATION	**Grand Station 1**	**Grand Station 3 - 5**	**Brightons**
10:30 - 11:45 a.m.	**Beta Labs — Bridging the Valley of Death**	**Space Solutions to Earth's Global Challenges**	**Technology Transfer Working Group (TTWG)**
11:45 am - 1:00 p.m.	**Lunch** **FLC Business Meeting Part 1: Introduction of the Candidates** *Reflections and Admiral*		
Noon	**Voting Begins**		
1:15 - 2:30 p.m.	**Cluster Development:** A Case Study With Metrics	**Making Social Media a Real-ity:** Insights From Implementers	**Technology Transfer Working Group (TTWG)**
2:30 - 3:00 p.m.	**PM Break - Courtesy of MPEG LA, LLC** *Reflections/Waterfront/Admiral*		
3:00 - 4:30 p.m.	**"10 Deals in 6 Months"** Leveraging Your Network for Fast Impact!	**Entrepreneurship Programs and the Federal Labs**	**Technology Transfer Working Group (TTWG)**
4:45 - 7:30 p.m.	**Networking Reception - Courtesy of Greater Oklahoma City Chamber** *Reflections/Waterfront/Admiral*		

LOCATION	**Ellwood 1**	**Waterfront**	**Haselton 1 & 2**	**Ellwood 2**
4:45- 6:00 p.m.	**Navy Meeting**	**Army Meeting**	**Air Force Meeting**	**NASA Meeting**

Agenda

Wednesday, May 2, 2012

7:00 - 8:00 a.m.	**Breakfast** Communications Commitee Meeting *Reflections/Waterfront/Admiral*			
8:00 - 8:15 a.m.	**Oklahoma City Announcement** *Grand Station 1 & 2*			
8:15 - 9:45 a.m.	**Technology Transfer Innovation in Response to the President's Challenge** *Grand Station 1 & 2*			
9:45 -10:00 a.m.	**AM Break - Courtesy of MPEG LA, LLC** *Reflections/Waterfront/Admiral*			
LOCATION	**Haselton 1 & 2**	**Grand Station 1**	**Grand Station 3 - 5**	
10:00 - 11:30 a.m.	**Far West Regional Meeting**	**Patent Reform:** the AIA and the FLC	**IP Monetization During an Economic Recession**	
11:45 am - 12:45 p.m.	**Lunch** *Reflections/Waterfront/Admiral*			
12 noon	**Voting Ends**			
LOCATION	**Haselton 1 & 2**	**Grand Station 1**	**Grand Station 3 - 5**	
1:00 - 2:15 p.m.	**Southeast Regional Meeting**	**Commercializing Government Software:** Insights and Best Practices	**Laboratory Directors' Panel**	
LOCATION	**Brightons**	**Haselton 1 & 2**	**Grand Station 3 - 5**	**Grand Station 1**
2:30 - 3:45 p.m.	**DOD Meeting**	**Southeast Regional Meeting**	**Tech Transfer**	**Having More Impact:** 'If the Sky Were the Limit What Would You Do in TT?
3:45 - 4:00 p.m.	**PM Break** *Reflections/Waterfront/Admiral*			
LOCATION	**Brightons**	**Grand Station 1**	**Grand Station 3 - 5**	
4:00 - 5:15 p.m.	**DOD Meeting**	**The Great Debate—Which Metrics Matter?**	**Leveraging Business Competitions**	

Agenda

Thursday, May 3, 2012

7:00 - 8:00 a.m.	**Breakfast** Program Committee Meeting State and Local Government Committee Meeting *Reflections/Waterfront/Admiral*	
8:00 - 9:30 a.m.	**Working With Federal Labs: Perspectives From the IRI's External Technology Network** *Grand Station 1 & 2*	
9:30 -10:00 a.m.	**AM Break** *Reflections/Waterfront/Admiral*	
10:00 - 11:30 a.m.	**Building the Innovation Ecosystem That Connects Universities, Emerging Organizations, and Mature Companies** *Grand Station 1 & 2*	
11:45 am - 12:45 p.m.	**Lunch** **FLC Business Meeting Part 2: Announcement of the Winners** *Reflections/Waterfront/Admiral*	
1:00 - 2:00 p.m.	**Industry Day Keynote: Innovation for a Secure Future** *Grand Station 1 & 2*	
LOCATION	**Grand Station 1**	**Grand Station 3 - 5**
2:15 - 3:30 p.m.	**Industrial R&D Collaboration With the Federal Laboratories—Your $100B Open Innovation Partner**	**Leveraging External Innovation Resources: Achieving More With Less Under Budget Pressures**
3:30 - 4:00 p.m.	**PM Break - Courtesy of Ben Franklin Technology Partners** *Reflections/Waterfront/Admiral*	
4:00 - 5:15 p.m.	**Industry Day Special Session: TechComm Beta Labs Presentation**	**Two Heads are Better Than One – Tech Transfer and Economic Development Team for Commercialization**
5:15 - 6:00 p.m.	**Mid-Continent Regional Meeting** *Grand Station 3 & 4*	
6:00 - 7:30 p.m.	**Awards Reception** *Reflections/Waterfront/Admiral*	
7:30 - 9:30 p.m.	**Awards Ceremony & Banquet** *Grand Station 1 & 2*	

Hotel Information

Station Square Hotel
300 W. Station Square Dr.
Pittsburgh, Pennsylvania 15219
Phone (412) 261-2000
Fax (412) 261-2932

Check in: 3 p.m.
Check out: 12 p.m.

Dining:

The Lobby Bar
Light Fare
Hours: 2 p.m. - 12:30 a.m.

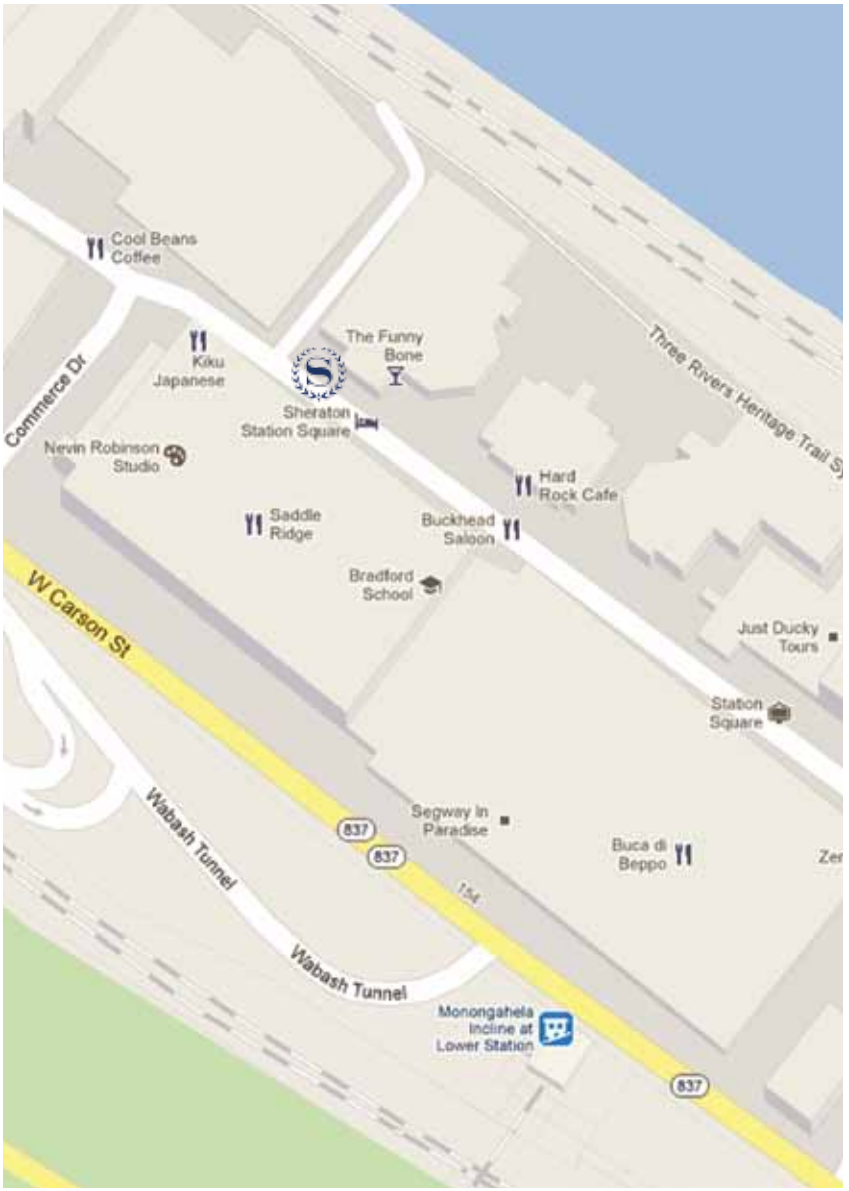
Trackside
Contemporary Cuisine
Hours: 11 a.m. - 11 p.m.

Local attractions:

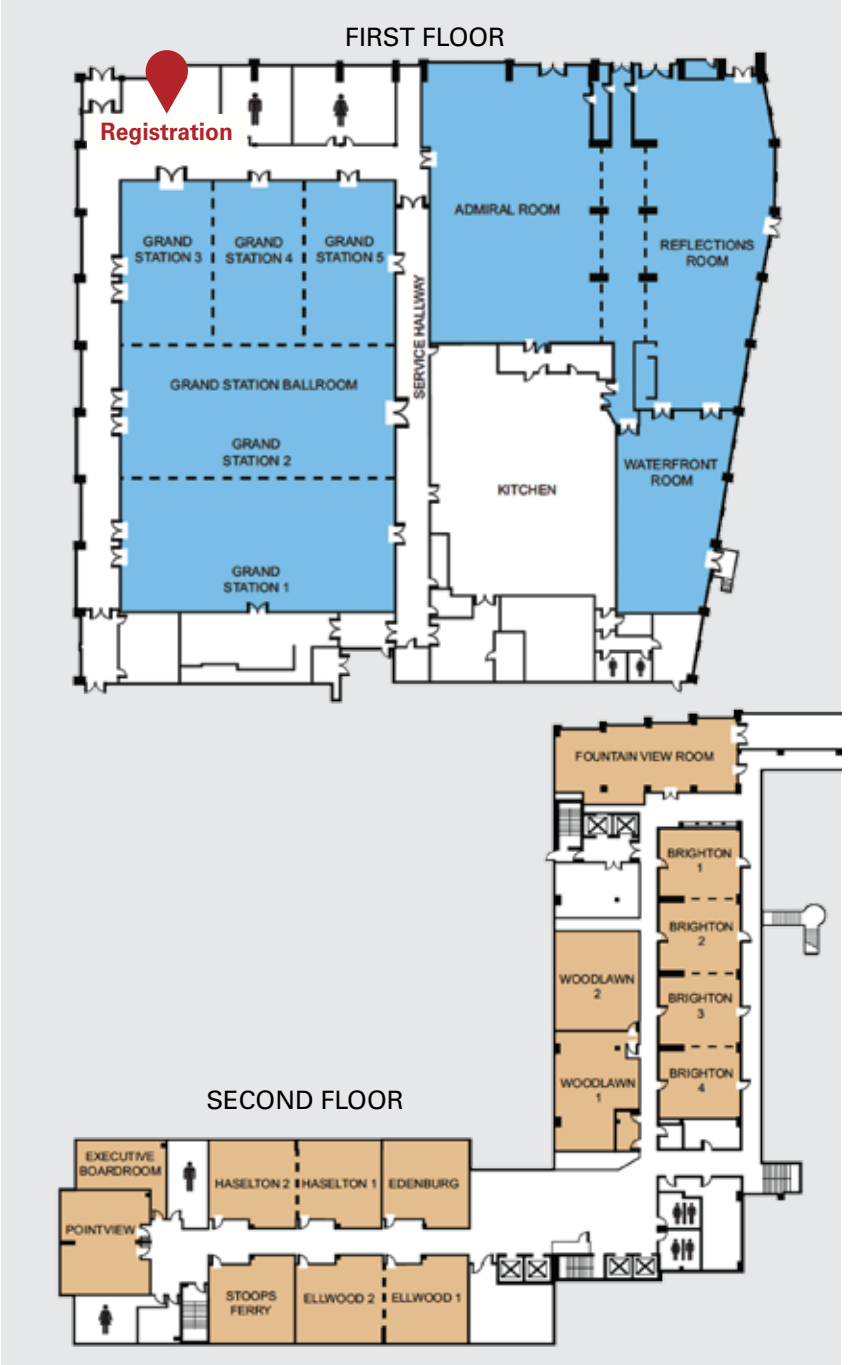
Station Square	1 Block
Point State Park	1 Mile
Byham Theater	1.5 Miles
Heinz Hall	1.5 Miles
Convention Center	1.5 Miles
CONSOL Energy Center	1.5 Miles
Heinz Field - Steelers	1.5 Miles
PNC Park - Pirates	1.7 Miles
Andy Warhol Museum	1.9 Miles
Carnegie Science Ctr.	2.1 Miles
University of Pittsburgh	3.5 Miles
Pittsburgh Zoo	7 Miles
Sandcastle Water Park	7 Miles
Kennywood Park	9 Miles
Pittsburgh Airport	18 Miles

Local Map

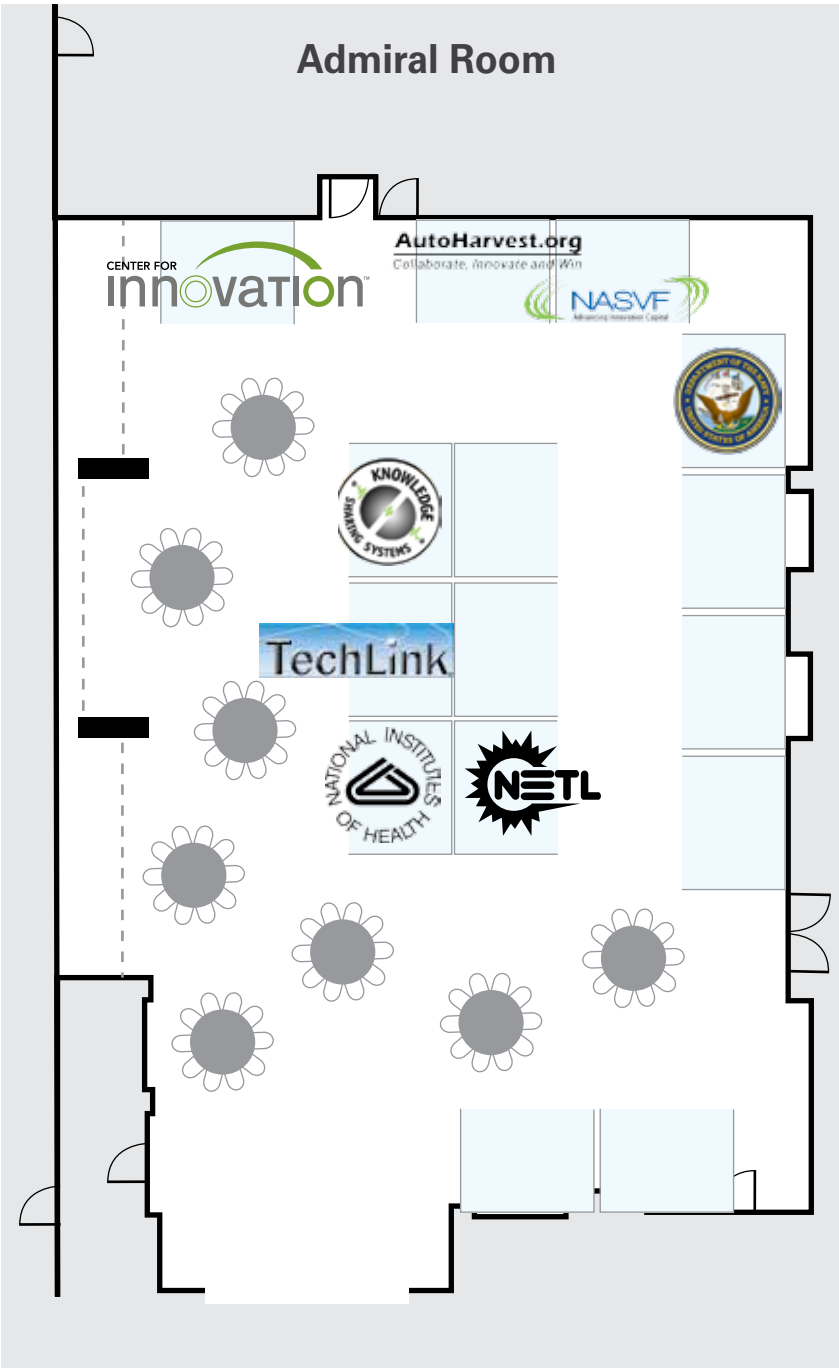
Stop by the Pittsburgh Convention and Visitor Bureau's table for brochures and discounts to local attractions.



Hotel Map


FIRST FLOOR
Registration
GRAND STATION 3
GRAND STATION 4
GRAND STATION 5
GRAND STATION BALLROOM
GRAND STATION 2
GRAND STATION 1
SERVICE HALLWAY
ADMIRAL ROOM
REFLECTIONS ROOM
KITCHEN
WATERFRONT ROOM
SECOND FLOOR
FOUNTAIN VIEW ROOM
BRIGHTON 1
BRIGHTON 2
BRIGHTON 3
BRIGHTON 4
WOODLAWN 2
WOODLAWN 1
EXECUTIVE BOARDROOM
POINTVIEW
HASELTON 2
HASELTON 1
EDENBURG
STOOPS FERRY
ELLWOOD 2
ELLWOOD 1

FLC Exhibits & Meal Room



DIRECTORY

Dining

186 Cool Beans	126 Houlihan's	106 Melting Pot
490 Dirty Harry's	370 Kiku Japanese	201 Sesame Inn
FC2 DiSanto Pizza		

Shopping

172 Accentricity	330 Hometowne Sports - Hers	174 Pennsylvania Wine Cellars
153 Bradley's Books	320 Hometowne Sports - Kids	190 Puffs n Stuff
160 Carol's Confections	180 Loova	802 Sam Thong
184 Debwal	430 New York New York	188 Soxx Shop
170 Ends n Odds	??? Nevin Robinson	117 St. Brendan's Crossing
450 Hometowne Sports		

Miscellaneous

$ ATM	E Elevators	R Restrooms
120 Bradford School	GS Guest Services	FC3 Segway In Paradise
129 Bradford School	209 Management Office	143 The Gameroom
215 Bradford School	114 Ming Kun Massage	143 Vending
CP Children's Play Area	203/206 Mobili Office Furniture	??? Station Square Express

Entertainment

101 5ive Lounge	400 Buckhead Saloon	161 Zen Social Club

www.StationSquare.com

The FLC Thanks the Following Sponsors and Exhibitors

Sponsors

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An MPEG LA, LLC Enterprise

Ben Franklin Technology PArtners

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Exhibitors

CENTER FOR innovation

NATIONAL INSTITUTES OF HEALTH

NASVF
Advancing Innovation Capital

KNOWLEDGE SHARING SYSTEMS

GREATER OKLAHOMA CITY CHAMBER

AutoHarvest.org
Collaborate. Innovate and Win

NETL

TechLink

NASA

Maryland TEDCO
Technology Development Corporation

Los Alamos NATIONAL LABORATORY
EST. 1943

WRAIR
Walter Reed Army Institute of Research
Soldier Health • World Health

FirstLink

Navy Technology Transfer (T2) Program

Meeting Quick Facts

Registration Desk

Registration Hours:

Sun: 2:00 - 6:00 p.m.

Mon & Tues: 7:00 a.m. - 5:30 p.m.

Wed & Thurs: 7:00 a.m. -5:00 p.m.

Go to the registration desk to:

- Register onsite
- Purchase additional guest tickets
- Pick up voting information if you are a voting member
- Stay infomed of meeting updates via the meeting message board.

Exhibitor Hours

Wednesday, May 2, 2012	
7:00 – 11:00 a.m.	Exhibitor setup/move in
Noon – 5:00 p.m.	Tech Fair open to attendees
Thursday, May 3, 2012	
7:00 a.m. – 7:30 p.m.	Tech Fair open to attendees
1:00 – 5:00 p.m.	Local industry invited
6:00 – 7:30 p.m.	Awards Reception
Friday, May 4, 2012	
8:00 – 11:00 a.m.	Exhibitor cleanup/move out

Meeting Quick Facts

Meeting Specifics

- Meeting sessions and events will be held at the Sheraton Station Square Hotel.
- Please keep your FLC name badge visible at all times; it is required for all FLC events.
- Breakfasts, lunches, and breaks are provided for registered attendees. Check for specific locations in this agenda.
- All scheduled session times and locations are noted in this agenda. Any changes will be noted on the message board near the registration desk.
- A map of meeting room locations is provided in this agenda.
- Smoking is not permitted in hotel meeting areas.
- Attendee guests must be registered and wear name badges when participating in any meeting function, including meals. You may purchase tickets for guests to attend lunches/events at the registration desk.
- Be cautious; please do not leave valuables unattended. The FLC and the hotel cannot be held responsible for lost or stolen items.
- Visit the FLC national booth to meet with the FLC Technology Locator.
- Visit Tech Fair participants and industry exhibitors in the Admiral Room.
- The FLC will be taking pictures throughout the week for documentation and future marketing and promotion projects.
- Need assistance? Look for the FLC Management Support Office staff in their light blue shirts.
- The awards reception will be held in the Reflections Room beginning at 6:00pm on Thursday.
- Please place all cell phones in silent mode.
- Dress Code: Business casual is requested for all sessions. Business or formal attire is requested for the Awards Banquet.

2012 Candidates

Candidate for Finance Officer

Keith A. Quinn
AFRL/XPPD
Wright-Patterson AFB, Ohio

Candidate's Statement

I want to help fortify the importance of the FLC within the R&D and T2 communities. The FLC needs a grass roots campaign to boost support for technology transfer within the federal government. We need to challenge all T2 personnel and their scientists and engineers to support the 21st century evolution of technology transfer by creating top-down, as well as bottom-up, T2 support within large and small labs. It is the challenge of the Executive Board to lead all FLC members, propelling the FLC to become a major factor supporting R&D efforts, the federal acquisition process, and an economic multiplier to support the October 28, 2011, White House memo entitled "Accelerating Technology Transfer and Commercialization of Federal Research in Support of High-Growth Businesses."

"Tech Transfer - Doing More with Nothing."
- Keith Quinn, January 2012

2012 Candidates

Candidate for Member-At-Large

Kathleen Graham
U.S. Environmental Protection Agency
Denver, Colorado

Candidate's Statement

As a tech transfer professional from an agency with a small FTTA program, I bring a jack-of-all-trades perspective to the Executive Committee. I regularly address issues related to CRADAs, license negotiation, and interpretation of technology transfer legislation, as well as devise new methods of internal and external marketing and outreach. This familiarity with many aspects of federal tech transfer is beneficial to the FLC because I understand many of the issues that might arise within the FLC, and I can also assist with a variety of FLC efforts. Since I have worked on EPA's tech transfer program in both Washington, D.C., and its regional office in Denver, I also bring an understanding of both regional and headquarters perspectives.

If elected to a Member-at-Large position, I would like to participate on the Program and State and Local Government committees. I work in a regional office, focused on outreach to our regional labs and collaborative opportunities with local organizations, which would mesh well with the State and Local Govt. Committee. As I was previously involved in the FLC and am becoming reacquainted, I bring a unique perspective to the Program Committee with respect to developing agenda topics for both experienced and new technology transfer professionals.

2012 Candidates

Candidate For Member-At-Large

Bruce J. Harrer
Pacific Northwest National Laboratory (PNNL)
Richland, Washington

Candidate's Statement

I would like to continue the FLC's valuable efforts recognizing the achievements of federal laboratory staff in transferring technology from research to application. I have participated on many teams that have won such awards, and believe that they are a positive motivator for staff and management to contribute to technology transfer efforts. I would also like to contribute to efforts by the FLC to serve as a professional development organization for technology transfer professionals from throughout the federal laboratories and agencies. Although AUTM and LES can provide valuable professional development opportunities, there are issues unique to federal laboratories that I believe the FLC can effectively address. Finally, I would like to contribute to continuing FLC efforts to increase industrial participation in FLC-sponsored activities. Although I don't have any specific ideas on this at this point, I would like to engage with others in considering some new approaches.

I recognize that all of these efforts will likely need to be conducted in an environment of limited funding resources. While everyone recognizes the importance of fostering more effective technology transfer from federal laboratories to the private sector, it is hard to envision a future scenario where significant additional resources will be provided to do this. Thus, we will have to develop strategies to do more with less.

2012 Candidates

Candidate For Member-At-Large

Diana P. Hoyt
NASA
Hughesville, Maryland

Candidate's Statement

Diana P. Hoyt currently serves as the Manager, Innovation and Strategic Partnerships in the Office of the Chief Technologist at NASA Headquarters, where she is responsible for designing and implementing innovative partnerships focused on advancing technology commercialization and accelerating the transfer of NASA technology to the private sector. Relatively new to the FLC, she brings with her over 25 years of experience at NASA, as well as her enthusiasm, energy and creative problem-solving skills and is interested in how technology transfer will evolve in the 21st century.

Diana has recently focused on the development of a national five-year pilot project between NASA and the Colorado Association of Manufacturing and Technology (CAMT), a federal Manufacturing Extension Partnership Center, to capitalize on the synergies between space and clean and renewable energy technologies in order to accelerate technology transfer and commercialization. With similar technical challenges such as supportability and sustainability, these two industrial sectors often share supply chains as well. A key component of the developing regional economic innovation cluster in Colorado, this partnership will demonstrate how carefully managed activities with a federal lab, such as NASA, can demonstrably and measurably accelerate technology development in a region, help small companies bridge the "valley of death" as they move from prototype to scale-up manufacturing, create jobs, new companies and technologies, and increase the rate at which NASA technology is transferred in a particular region. She has also begun the development of a similar partnership in a regional economic innovation cluster in Ohio, with a focus on the automotive and aerospace sectors.

2012 Candidates

Candidate For Member-At-Large

Kathleen McDonald
Los Alamos National Laboratory
Los Alamos, New Mexico

Candidate's Statement

Federal technology transfer is more important than ever, given a tighter federal budget, accelerating technology requirements, and demands for U.S. industry to be competitive in a global market economy. In my role as Recording Secretary over the past 5 years, I have supported FLC Chair initiatives to keep the FLC relevant and to pursue goals and objectives for the agencies and laboratories that affect federal technology transfer and for improving technology transfer (mechanisms, tools, etc) however I can. I have a passion for technology transfer activities and for overcoming the barriers that limit its success. I am committed to serving the FLC and its members to streamlining efforts across agencies and promoting awareness, acceptance and promotion of technology transfer at the federal labs. As a Member-at-Large, I will respond to Chair requests for assistance on special projects as needed, as well as do whatever I can in my role at my laboratory and with my industry contacts to promote technologies developed at the labs. The need for more public-private partnerships is increasing, and the FLC plays an important role in helping to facilitate those interactions. I am confident my knowledge and experience (professionally, as well as on the FLC Executive Board) will be useful in creating more valued partnerships and transitioning/transferring federally funded technologies.

2012 Candidates

Candidate For Member-At-Large

Dr. Jack E. Pevenstein, P.E.
National Institute of Standards and Technology
Gaithersburg, Maryland

Candidate's Statement

My interest is in promoting a heightened awareness of the importance of recognizing, disclosing, and transferring innovative technologies and inventions emerging as a result of mission-oriented federal research to the private sector for commercial exploitation. To promote this, I will support initiatives to train federal scientists, engineers, technical professionals and their managers in all aspects of technology transfer that are relevant to their duties. The measure of my success would be increased engagement in invention disclosure and patenting activities by federal scientists, engineers, and other technical professionals across all federal laboratories.

2012 Candidates

Candidate For Member-At-Large

John Rein
Office of Naval Research
Arlington VA

Candidate's Statement

By representing the T2 community membership and listening to their issues, needs and interests I will work with the FLC leadership to:

- Identify potential challenges and opportunities for the FLC.
- Work diligently to achieve mutual goals with my fellow FLC team members.
- Execute action plans for innovative projects to further the goals of the FLC.
- Develop services for the T2 community, particularly those that arise from importance or concern of the

2012 Candidates

Candidate For Member-At-Large

Bianca K. Thayer
Sandia National Laboratories
Albuquerque, New Mexico

Candidate's Statement

I would like to streamline the process to license patents from federal labs. The Start Up America License Option Agreement was a good start, but I think we need to further streamline the process so all companies (large and small) have an easier time licensing technologies from federal labs. I also would like to find ways for multiple federal labs to work together with one industry partner to combine synergistic technologies developed at different labs into one final product. For example, there are many complementary patents held by different DOE labs that could be combined to create breakthrough products.

Finally, I would like to find a way to obtain funding from Congress to do more proof-of-concept development and scale-up of technologies from labs that have low TRL levels, thereby raising TRL levels so that it is easier for industry to commercialize it (bridging the "valley of death").

2012 Candidates

Candidate For Recording Secretary

Marianne Lynch
National Institute of Standards and Technology
Gaithersburg, MD

Candidate's Statement

I would like to support FLC mission to promote federal laboratory research results and technologies. First, since this is the recording secretary position, I would conscientiously perform the responsibilities outlined for the recording secretary. The responsibilities include a number of administrative tasks, such as records management and distribution, communicating with the FLC membership, distributing minutes, in addition to serving as a member of the FLC Executive Board and Executive Committee. I will do my best to properly administer these duties. Second, I have a varied work experience, including laboratory, contract management, technology transfer, and legal. I have worked for three federal agencies, EPA, NIH, and Commerce/NIST, in addition to US government contractors. I hope to use my broad work background to facilitate understanding of varied perspectives across the agencies and specialties.

2012 Candidates

Candidate For Recording Secretary

Aaron G. Sauers
Los Alamos National Laboratory
Los Alamos, New Mexico

Candidate's Statement

Having worked both at Oak Ridge National Laboratory and Los Alamos National Laboratory, I have been exposed to and participated in FLC activities at the regional and national levels. I have attended and spoken at regional meetings and attended the national meeting. I understand the purpose of the FLC, and am interested in using my expertise to advance the goals and objectives of the organization. I am a detail-oriented, self-motivated technology transfer professional. My strong communications skills would make me an ideal candidate for the Recording Secretary position.

Keynote Speakers

Training Day Keynote Speaker

Azam Khan
Deputy Chief of Staff, United States Patent Office

Monday, April 30, 2012, Noon
Reflections

From Concept toCommercialization: the Role of the USPTO in Advancing Innovation

This year, for the first time, the FLC is honored to have a training day keynote speaker—Azam Khan, Deputy Chief of Staff of the United States Patent and Trademark Office (USPTO), who will discuss the role of the USPTO in light of the America Invents Act and patent policy and reform. Mr. Khan advises the Director of the USPTO on matters related to strategic planning, policy and political issues, and operations. He has worked in a variety of roles on the Obama presidential campaign, as well as for a Chicago nonprofit specializing in anti-discrimination, civil rights, and international law.

Keynote Speaker

Brian Joseph
Co-founder of Touchstone Research Laboratory, Ltd., and founder of SJ Little Invention and Consulting

Tuesday, May 1, 2012, 8:30 a.m.
Grand Station 1 & 2

The meeting kicks off on Tuesday, May 1 at 8:00 a.m. with our keynote speaker, Brian E. Joseph, co-founder of Touchstone Research Laboratory, Ltd., and founder of SJ Little Invention and Consulting. His primary area of study is high-speed, low-cost, breakthrough innovation. Mr. Joseph has more than 20 granted patents, with many more in process.

Keynote Speakers

Industry Day Keynote Speaker

Dr. John D. Evans
Corporate Vice President, Technology and Innovation for Lockheed Martin Corporation

Thursday, May 3, 2012, 1:00 p.m.
Grand Station 1 & 2

Innovation for a Secure Future

The Industry Day keynote speaker is Dr. John D. Evans, a global business leader focused on growth and innovation who is also Corporate Vice President, Technology and Innovation for Lockheed Martin Corporation. As the corporation's technical ambassador, Dr. Evans develops and enhances relationships with governments, universities, and businesses globally to promote sales, ensure access to technology, and meet industrial participation commitments.

Awards Banquet Emcee

Henry Wixon
Chief Counsel for the National Institute of Standards and Technology (NIST)

Thursday, May 3, 2012, 7:30 p.m.
Grand Station 1 & 2

The emcee for the evening is Henry Wixon, Chief Counsel for the National Institute of Standards and Technology (NIST). Mr. Wixon has an extensive technology transfer background, including developing and implementing worldwide patent defense and enforcement strategies as a registered patent attorney and intellectual property specialist.

SESSION DESCRIPTION TAB - MONDAY

Session Descriptions

Monday, April 30, 2012

Technology Transfer Fundamentals

8:00 am - 5:00 pm
Level: Beginner

Ideal for newcomers to the field or as a refresher for T2 veterans, this course will provide the foundation, concepts, and practical knowledge required to transfer federally funded technologies from the laboratory to the marketplace. T2 Fundamentals Training will address why and how we do technology transfer, how the FLC helps facilitate T2, how to use Cooperative Research and Development Agreements (CRADAs) and non-CRADA technology transfer mechanisms, and how to protect the intellectual property in your office.

Moderator: ***Sarah Bauer,*** *Senior Coordinator, U.S. Environmental Protection Agency, Federal Technology Transfer Act Program, Office of Research and Development*

Session includes:

- **Introduction to Technology Transfer and the FLC**
  John Dement*, Office of Research and Technology Applications at Crane Division, Naval Surface Warfare Center*

- **Introduction to Intellectual Property**
  Maryam Azarion*, Dept. of Veterans Affairs*

- **T2 Mechanisms (Non-CRADA)**
  John Dement*, Office of Research and Technology Applications at Crane Division, Naval Surface Warfare Center*

- **CRADA Workshop**
  Robert Charles, Esq., *Office of the Staff Judge Advocate, U.S. Army Medical Research and Materiel Command*

Patents and Intellectual Property Protection

8:00 am - 5:00 pm
Level: Intermediate

Designed for technology transfer professionals who have a basic foundation in the background, concepts, and processes of technology transfer or who have completed the Technology Transfer Fundamentals course, this course examines the patent process and other forms of intellectual property (IP) protection. A day-long session led by a panel of patent and IP experts, the course provides detailed information on how to protect intellectual property in federal laboratories, as well as a brief summary of ownership rights to intellectual property developed under government contracts, with a focus on the patent process in federal laboratories. Instructors will also address current as well as future changes to the patenting process due to the America Invents Act (patent reform).

Speakers:

- ***Jacob (Jesse) Erlich, Esq.,*** *Partner, Burns & Levinson, LLP*

Session Descriptions

- ***Elizabeth Arwine, Esq.,*** *Patent Attorney and Intellectual Property Support, U.S. Army Medical Research and Materiel Command*
- ***Janet Gongola,*** *Patent Reform Coordinator, U.S. Patent and Trademark Office*
- ***Marcus A. Streips, A****ttorney-Advisor, Intellectual Property, U.S. Army Medical Research and Materiel Command*

Licensing and Negotiation

8:00 am - 5:00 pm
Level: Intermediate

This interactive, day-long workshop, presented by a team of technology transfer veterans, examines the elements of an effective license and provides an overview of how to successfully negotiate a license agreement. Topics include such issues as intellectual property valuation and financial consideration, types of licenses and when to use them, sublicensing, R&D prior to product sales, gross vs. net sales, and due diligence provisions. The workshop also covers the elements of the negotiation process, including the steps of negotiating a license and strategies to achieve success, and addresses the licensing process in both government-owned and government-operated (GOGO) and government-owned and contractor-operated (GOCO) laboratories.

Speakers:

- ***Mark Reeves, Ph. D.,*** *Associate Director, Office of Technology Transfer, Department of Energy, Oak Ridge National Laboratory*
- ***Mojdeh Bahar,*** *Chief, Cancer Branch at the Office of Technology Transfer, NIH*

Advanced Topics in Technology Transfer

8:00 am - 5:00 pm
Level: Advanced

A panel of seasoned professionals will present an exciting and highly interactive seminar that examines issues of immediate significance to T2 leaders and managers. The primary topic is the effect of the America Invents Act on technology transfer. Panelists will discuss its policy implications, its practical effects, and how it affects T2 practitioners. An additional session will address using a proactive IP strategy, including IP landscape modeling and analysis, to maximize the commercial value of your intellectual property and create better patent filings, enhanced commercialization opportunities, and even additional project funding. These techniques can be used to better craft a laboratory's science and technology agenda, and ensure that the focus is on long-term impact rather than short-term benefits.

Moderator: ***Thomas Stackhouse, Ph.D.,*** *Associate Director, Technology Transfer Center, National Cancer Institute, National Institutes of Health*

Speakers:

- ***Henry Wixon, Esq.,*** *Chief Counsel, National Institute of Standards and Technology, U.S. Department of Commerce*

Session Descriptions

- ***Janet Gongola,*** *U.S. Patent and Trademark Office*
- ***Hal Wegner****, Foley & Lardner LLP*
- ***Robb Evans****, Business Process and Strategy Manager, Global Patent Solutions*
- ***Kathryn Odland****, Principal, Global Patent Solutions*
- ***Eric Wrzesinski,*** *Global Patent Solutions*
- ***Hon. Michael Tierney****, Lead Judge, Trial Section, U.S. Patent & Trademark Office*

Training Keynote Speaker: From Concept to Commercialization: the Role of the USPTO in Advancing Innovation

Noon - 1:30 p.m.

Reflections

Speaker: ***Azam Khan*****,** *Deputy Chief of Staff, United States Patent and Trademark Office*

Speaker Bios

Elizabeth Arwine

Elizabeth Arwine graduated from Texas A&M University in 1982 with a B.S. in Geophysics. She then worked as a geophysicist and seismologist for a petroleum exploration company and a geophysical research and development laboratory. She later worked for several years as a digital signal and software engineer on various military and research satellite projects, including the Global Positioning System, the Military Strategic & Tactical Relay (MILSTAR) satellite communications system, and the combined release and radiation effects satellite. While working for the Air Force Geophysics Laboratory and defense contractors, Ms. Arwine attended night school at Suffolk University Law School in Boston, graduating in 1991. In 1992 she received an LL.M. in Transnational Business Practice (International Business Law) from the University of the Pacific, Sacramento, California, in conjunction with the University of Salzburg, Austria. She also completed a legal internship at a law firm in Denmark as part of this program.

Ms. Arwine joined the U.S. Army Judge Advocate General's Corps (JAG) in 1992, and was stationed at Fort Lewis, Washington. While a JAG officer, she served as a Legal Assistance Attorney, Torts Attorney, Physical Evaluation Board Soldier's Legal Counsel, Assistant Operational Law Attorney, and Labor Counselor. From 1995 through 1998, she was assigned to the U.S. Army Medical Research and Materiel Command (USAMRMC) at Fort Detrick, Maryland, as Legal Advisor to the command and its subordinate laboratories and as a Special Assistant U.S. Attorney. While assigned to Fort Detrick, Ms. Arwine worked in the fields of administrative law, food and drug law, contracts, labor, military justice and intellectual property law.

She became a civilian employee at Fort Detrick in January 1998, and served as an Attorney Advisor to the USAMRMC, the Joint Program for Biological Defense - Joint Vaccine Acquisition Program and the congressionally directed Medical Research Program Office. After passing the patent bar exam, Ms. Arwine became the USAMRMC patent attorney and U.S. Army Medical Command (MEDCOM) intellectual property counsel in May 2000. She provides intellectual property support for over 10 USAMRMC laboratories and Department of Defense organizations, as well as 18 MEDCOM clinics, hospitals and other organizations.

Ms. Arwine has traveled extensively, including trips to Alaska, Austria, Belgium, Cambodia, Canada, islands of the Caribbean, China, Costa Rica, Czechoslovakia, Denmark, England, Germany, Hawaii, Hungary, Iceland, Israel, Korea, Mexico, Panama, Puerto Rico, South Africa, Switzerland, Thailand, The Netherlands, and Wales. She is a Major in the U.S. Army Reserve.

Speaker Bios

Maryam Azarion

Maryam Azarion is an attorney at the Office of General Counsel at the Department of Veterans Affairs, where she is responsible for handling various technology transfer, research, and health law issues. Her previous experiences include working as Director of the Technology Transfer Office at the U.S. Army Medical Research Institute of Infectious Diseases, Senior Licensing Officer at the U.S. Army Medical Research and Material Command, and Naval Research Labs. Maryam has a Master's in Biomedical Sciences and a law degree. She is a member of the Maryland Bar and a Member-at-Large of the FLC Executive Board.

Mojdeh Bahar

Mojdeh Bahar is Chief of the Cancer Branch at the Office of Technology Transfer (OTT), National Institutes of Health (NIH), where she leads a team responsible for patenting and licensing NIH and FDA inventions in the areas of cancer, gene therapy, and biological response modifiers. She joined the TTO in January 2004; prior to then, she served as an Examiner with the U.S. Patent and Trademark Office (USPTO). Ms. Bahar is currently the Chair of the Federal Laboratory Consortium for Technology Transfer (FLC). She has spoken to many groups about technology transfer and built alliances with other organizations to advance federal technology transfer. She created and moderated a webinar series entitled "Demystifying Working With Federal Labs," which led to the development of a training course for the transition of Washington-area scientists into the business world, and serves an annual employment-oriented conference for post-docs in the Washington, D.C. area.

Ms. Bahar has spoken nationally and internationally on a wide spectrum of topics ranging from restriction practice, double patenting, and claim drafting to technology transfer and commercialization, business development, and licensing. She is the recipient of an NIH Director's Award, Mentorship Award, three Merit Awards, NCI Federal Technology Transfer Awards, an FLC S.T.E.M Award, two Awards for Excellence in Technology Transfer, a State and Local Economic Development Award, and an FAES NIH Team Teaching Award.

She is a patent attorney registered to practice before the USPTO, the State of Maryland, the United States District Court for the District of Maryland, and the United States Court of Appeals for Federal Circuit. She is a Certified Licensing Professional (CLP). Ms. Bahar graduated from the University of Maryland School of Law, where she was co-founder and editor of Margins: Maryland's Law Journal on Race, Religion, Gender, and Class.

Speaker Bios

She completed the Health Law Program, was a member of the Moot Court Board and the Phi Delta Phi International Legal Honors Fraternity, and the recipient of the William P. Cunningham Award for exceptional achievement and service. She received an M.A. from New York University and a B.S. with Honors in Chemistry and French from Dickinson College.

Sarah Bauer

Sarah Bauer is the Senior Coordinator for the U.S. Environmental Protection Agency's (EPA) Federal Technology Transfer Act (FTTA) Program, which is located in the EPA's Office of Research and Development (ORD). In this position she manages the FTTA patent, licensing and marketing efforts for the agency, as well as the development of Cooperative Research and Development Agreements (CRADAs). Previously in ORD, Ms. Bauer was the Communications Director for the Office of Science Policy and the Outreach Coordinator for the Environmental Technology Verification (ETV) Program.

Prior to joining ORD, Ms. Bauer was involved in multiple efforts under the Oil Pollution Act, the Clean Air Act Amendments, and the Superfund Amendments and Reauthorization Act in the EPA's Office of Solid Waste and Emergency Response (OSWER). In addition, she has worked as a consultant and corporate trainer in private industry.

Ms. Bauer has served as the FLC's Education and Training (E&T) Committee Chair since 2008.

She is married, has four children, 2 in-law children, and a grandson. Her main interest is spending time with her family, and in her spare time she has a glass fusing business. She has also served on many civic committees, and was a member of the Capitol Hill Arts Workshop Board of Directors, where she held the positions of Vice President and President.

Ms. Bauer has a B.S. in Speech Pathology and Communications.

Robert L. Charles, Esq.

Bob Charles joined the Office of the Staff Judge Advocate (OSJA), U.S. Army Medical Research and Materiel Command, Fort Detrick, Maryland, in September 2001. He is primarily responsible for legal issues involving technology transfer and assistance agreements (grants and cooperative agreements). He came to the OSJA after a 20-year active duty career as a judge advocate with the U.S. Army. Most of his tours were served at Army Medical Departments. He was the initial editor and contributed numerous articles over the years to the Army's Medical-Legal Deskbook.

Mr. Charles served on the FLC Executive Board and as Chair of the Legal Issues Committee from 2002-2011.

He earned his undergraduate degree

Speaker Bios

from U.C. Berkeley (Economics), graduated from law school at the University of Utah, and received a Master's in Public Health from Harvard University.
Mr. Charles is a member of the Utah and Texas State Bars.

John Dement

John Dement is the Office of Research and Technology Applications (ORTA) at Naval Surface Warfare Center, Crane Division (NSWC Crane). The ORTA position was established by U.S. law 15 USC 3710, Utilization of Federal Technology, to ensure full use of the results of the nation's federal investments in research and development. To this end, Mr. Dement strives to transfer federally owned or originated technology to state and local governments and the private sector. Mr. Dement has been a member of the FLC's Executive Board since 2008.
Mr. Dement has worked at NSWC Crane since 1990. He began his career with the Navy as an engineer working on submarine towed array handling equipment. This role grew into management, culminating with year-long assignments in 1996 as the Systems Engineer for Towed Array Handlers in the Program Office, Washington, D.C., and in 1997 as the Science Advisor to the Pacific Fleet's Maintenance Officer, a one-year assignment in Pearl Harbor, Hawaii, during which he was awarded the Navy's Meritorious Civilian Service Award for technology transition to the Fleet.
From 2001 to 2006, Mr. Dement established NSWC Crane's Technology Engagement Office (TEO), whose mission is to proactively and innovatively create technology-based business partnerships with industry and academia that bolster NSWC Crane's mission to support the warfighter. This included SBIRs and other S&T-oriented alternative funding programs, Work With Private Parties, and university and industry engagement. In 2006, Mr. Dement assumed the ORTA and other technology transfer roles.
Before working for the Navy, he worked as a structural engineer on the F-15E for McDonnell Douglas.
Mr. Dement has a B.S. in Civil Engineering from the University of Evansville (1988) and a Master's in Public Administration from Indiana University (2000). He is also a DAWIA-certified Level III in Systems, Planning, Research, and Development and Level III in Science and Technology.

Jacob (Jesse) N. Erlich, Esq.

Jesse Erlich is a Partner at Burns & Levinson, LLP, in Boston, Mass., and a member of the firm's Intellectual Property, Government Contracts and Science & Technology Groups. Prior to joining Burns & Levinson in 2006, Mr. Erlich was a Partner with Perkins Smith & Cohen, LLP. He had previously served as Chief Patent Advisor for the U.S. Air Force.

Speaker Bios

Mr. Erlich represents a wide array of clients such as universities and small and large technology companies in diverse technological fields. He provides advice on patents and other forms of intellectual property, licensing, and government-related matters such as government contracts, SBIRs, STTRs, intellectual property, licensing and technology transfer. He is also involved with the preparation and prosecution of patent applications (U.S. and foreign).

He has contributed to numerous publications in the fields of intellectual property and technology transfer, and co-authored a book entitled Technology Development and Transfer—The Transaction and Legal Environment. He is a contributing author to 2000-2011 Licensing Update and Valuation of Intangible Assets in Global Operations. Mr. Erlich also co-authored A Practical View of Strategies for Improving Federal Technology Transfer with Alan Gutterman, Esq., and Protect Your Brain Share: Get to Know the Intellectual Property Rules with Jerry Cohen, Esq. Additionally, he has authored and co-authored numerous articles on intellectual property, export control, licensing, and federal technology transfer.

Mr. Erlich currently sits on the faculty of the Advanced Licensing Institute at Franklin Pierce Law School. He has also sat on the faculty of The National Intellectual Property Law Institute Postgraduate Program in Intellectual Property and The Intellectual Property Institute for Corporate Counsel, and is a frequent lecturer and speaker in diverse venues.

Mr. Erlich is admitted to practice law in Massachusetts, the District of Columbia, and before the U.S. Supreme Court. He is a registered patent attorney with the U.S. Patent & Trademark Office and the Canadian Patent Office and is a Certified Licensing Professional (CLP).

Mr. Erlich has been appointed to the United States - Israel Science and Technology Commission Task Force: Legal, Patent and Intellectual Property Rights, and serves on the Board of Directors of the National Defense Industrial Association (NDIA), New England Chapter, as well as on the Advisory Council of the National Institute of Justice, a research agency of the U.S. Justice Department. He is a member and past president of the Boston Patent Law Association, the Licensing Executives Society, and the American Intellectual Property Law Association. Mr. Erlich is listed in Who's Who in American Law and Who's Who in Intellectual Property. He received the FLC's 2009 Outstanding Service Award and its 2008 Northeast Regional Appreciation Award. He has been selected for inclusion in Massachusetts Super Lawyers® for seven consecutive years. Mr. Erlich was selected by his peers for inclusion in The Best Lawyers in America® (2011-2012) in the field of patent law, which is considered a singular honor.

A graduate of Worcester Polytechnic Institute, Mr. Erlich earned his J.D. from Georgetown University Law Center.

Speaker Bios

Robb Evans

Robb Evans is responsible for business process management and strategy at Global Patent Solutions. With more than 30 years of senior management experience in strategy and product development, Robb has previously driven the product management & development and marketing functions at leading technology and financial services companies. Prior to joining Global Patent Solutions, Robb also founded a software development and consulting company, and built a successful organization and practice that helped a number of clients successfully launch new product lines and grow existing ones. Robb has significant experience leading the necessary innovation, marketing and strategic initiatives for a wide-range of companies, from small start-ups, to evolving software and services companies, to large corporate entities needing to revitalize maturing product lines. Robb also serves as the president of a professional group committed to engaging business owners with one another for purposes of bettering themselves, their businesses, and their communities. Robb received a BA in Economics from Dickinson College and his MBA from The Wharton School at The University of Pennsylvania.

Janet Gongola

Janet Gongola is the Patent Reform Coordinator at the U.S. Patent and Trademark Office (USPTO). In this capacity, she manages all aspects of the agency's implementation of the America Invents Act. Ms. Gongola has been an Associate Solicitor in the Office of the Solicitor at the USPTO, where she provided legal advice to agency officials and defended decisions of the Board of Patent Appeals and Interferences, and the Trademark Trial and Appeal Board before the U.S. Court of Appeals for the Federal Circuit, as well as district courts across the country.

Before joining the USPTO, Ms. Gongola served as a law clerk for Chief Judge Paul R. Michel at the Federal Circuit and for Chief Judge Sue L. Robinson in the U.S. District Court for the District of Delaware. She previously worked as a patent attorney, patent agent, and research chemist at Eli Lilly and Company in Indianapolis, Indiana.

Ms. Gongola graduated summa cum laude with a J.D. from Indiana University School of Law—Indianapolis, and she received B.S. degrees in Chemistry and Mathematics from Muskingum University. Ms. Gongola is an officer of the Giles S. Rich American Inn of Court. She has served as an adjunct professor at the George Mason University School of Law, and currently teaches at the George Washington University Law School.

Speaker Bios

Azam Khan

Azam Khan is Deputy Chief of Staff of the United States Patent and Trademark Office (USPTO), where he advises the Director on matters related to strategic planning, policy and political issues, and operations. He was a primary drafter of the agency's 2010-2015 Strategic Plan and has served as head speechwriter for the Director. He also is project lead for the Nationwide Workforce Satellite Office project, among others.

Prior to joining the USPTO, Mr. Khan served as an advisor to the European Union Special Representative in Kosovo. He worked in a variety of roles on the Obama presidential campaign, and has worked for a Chicago nonprofit specializing in antidiscrimination, civil rights, and international law.

Mr. Khan is admitted to practice law in the State of Illinois. He received his B.A. in International Relations from Boston University and his J.D. from DePaul University.

Kathryn Odland

Kathryn Odland is one of the founders and principals at Global Patent Solutions LLC. She is a Registered Patent Agent with a B.S. in Industrial Engineering from Pennsylvania State University at University Park, PA. She has minors in Engineering Leadership and Development as well as Product Realization and has held engineering positions with Intel Corporation and IBM. She has been performing Intellectual Property Research & Consulting for the government and private sectors for over nine years. She also has over three and a half years of experience as a Patent Examiner at The United States Patent and Trademark Office, specializing in medical devices and methods. In addition to medical devices, she also has expertise in mechanical devices, combustion systems, solar devices, etc. She is experienced with all types of Patent and Non-Patent Literature searching such as Accelerated Examination, Patentability, Validity, Freedom-to-Operate, and State-of-the-Art searches.

Mark Reeves

Dr. Mark Reeves is Associate Director of the Office of Technology Transfer (OTC) at the Department of Energy's (DOE) Oak Ridge National Laboratory (ORNL). Prior to joining the OTC in August 2000, he was Technical Assistant to the laboratory's Associate Director for Biological and Environmental Research Programs. He joined ORNL as a post-doctoral research associate in 1983 and became a research staff member in 1986. From 1992 through 1994, he managed ORNL's internal R&D

program; and from 1995 through 1998 he was Director of the laboratory's Bioprocessing Research and Development Center.

Dr. Reeves has negotiated more than 60 royalty-bearing technology licenses, as well as numerous CRADAs and other sponsored research agreements. He is currently responsible for all nonfederal research partnership agreements (CRADAs, Work for Others agreements, etc.), plus intellectual property stewardship and licensing of a portfolio associated with one of ORNL's five primary research directorates. His passions in technology transfer include creative use of legislative authorities to transfer federal technologies to the private sector, and deploying negotiations expertise that results in the best outcome for both the laboratory and the private partner.

A member of the FLC's Executive Board from 2005 to 2011, Dr. Reeves has presented the Technology Licensing and Negotiation module of the Intermediate training track at the FLC's national meetings since 2007. He has received numerous FLC Awards for Excellence in Technology Transfer at the national and regional levels.

Dr. Reeves earned a B.S. in Biology from the University of North Alabama in 1977, a Ph.D. in Microbial Physiology/Biochemistry from the University of Tennessee in 1982, and an MBA from Colorado State University in 2001. He has served as ORNL's FLC Representative since 2005, and was the Southeast Regional Coordinator from 2005 through 2009. He holds adjunct professorships at LSU and Pellissippi State Community College, where he is an instructor in natural and behavioral sciences. Mark and his wife Linda live in Knoxville, Tennessee; their son David is a junior at the University of Notre Dame.

Dr. Thomas M. Stackhouse

Dr. Stackhouse is the Associate Director for the Technology Transfer Center (TTC) at the National Cancer Institute, NIH. In this position, he oversees the patent portfolio and marketing activities for the National Cancer Institute (NCI). Dr. Stackhouse also oversees the technology transfer and partnering agreements and activities for the staff on the NCI-Frederick campus, which includes NCI intramural laboratories and the laboratories of its Federally Funded Research and Development Center (FFRDC).

In addition, Dr. Stackhouse leads the TTC staff coordinating intellectual property parameters and guidelines for several key NCI initiatives including: the Full-Length cDNA Initiative, the Institute of Chemical Genomics, NCI Proteomics Program, NCI's Alliance for Nanotechnology in Cancer, caHUB, and the NCI Chemical Biology Consortium. Dr. Stackhouse works closely with state and local economic development groups to foster new partnerships which facilitate the use of NCI technologies and expertise to advance the pubic health and stimulate the nation's economies. He is also a member

Speaker Bios

of the Executive Board for the Federal Laboratory Consortium.
Prior to joining the NCI-Technology Transfer staff in 1996, Dr. Stackhouse received his Ph.D. in Biochemistry from the University of California, Davis. He spent several years as a Developmental Scientist for a major pharmaceutical company and later was part of the research team that discovered the VHL tumor suppressor gene. Dr. Stackhouse received the National Institutes of Health Award of Merit for his outstanding management of the NCI-Frederick Technology Transfer Office.

Marcus A. Streips

Marcus A. Streips is presently intellectual property counsel for the U.S. Army Medical Research and Materiel Command (USAMRMC), providing legal guidance on a broad range of issues, including data rights, trademarks and patent prosecution, litigation, and licensing matters. Prior to working at Fort Detrick, he was an associate counsel at Notaro and Michalos, PC, a boutique law firm in New York City specializing in intellectual property. He also has served eight years on active duty as an officer in the Judge Advocate General's Corps.
Mr. Streips received a B.S. in Economics from Cornell University, an M.S. in biotechnology from Johns Hopkins University, and a J.D. from Ohio State University. He is licensed to practice law in New York and Ohio, as well as before the United States Patent and Trademark Office.

Judge Michael Tierney

Judge Michael Tierney was appointed to the Board of Patent Appeals and Interferences (soon to be the Patent Trial and Appeal Board) in July 2000. He is the Lead Judge for the Trial Section, which is currently responsible for interferences and appeals in reexaminations and which soon will be responsible for handling trials under the America Invents Act. His primary focus has been conducting biotechnical and chemical interferences, as well as deciding ex parte appeals, including ex parte reexamination and inter partes reexamination appeals. He received both a J.D. and a B.S. in Chemical Engineering from the University of Washington. He is a member of the Washington State and the District of Columbia bars, and is registered to practice before the USPTO. Prior to joining the Board, Judge Tierney was a senior patent associate in private practice, and has also worked as a patent examiner in the chemical arts.

Harold C. Wegner

Harold C. Wegner practices intellectual property law at Foley & Lardner LLP, where he has a special interest in patent appellate matters at the Federal Circuit and implementation of the Leahy-Smith

Speaker Bios

America Invents Act, including first-to-file strategies as well as inter partes patent challenges at the U.S. Patent and Trademark Office.

Professor Wegner began his patent career at the Department of Commerce as a Patent Examiner. For 20 years he was involved with The George Washington University Law School, starting in 1991 when he was named Director of the Intellectual Property Law Program and Professor of Law.

Henry N. Wixon, Esq.

Henry Wixon became Chief Counsel for the National Institute of Standards and Technology (NIST) of the U.S. Department of Commerce in March 2009. Prior to joining NIST, he was a partner with the law firm of Wilmer Cutler Pickering Hale and Dorr, LLP, in Washington, D.C.

In more than 20 years in private practice as a registered patent attorney and intellectual property specialist, Mr. Wixon developed and implemented worldwide patent defense and enforcement strategies for domestic and international clients, coordinating the efforts of counsel in multiple European and Asian countries. In addition to extensive patent litigation, he conducted intellectual property due diligence and valuation analyses in connection with venture capital funding, mergers and acquisitions, and IPOs. He counseled research consortia on intellectual property matters, including the drafting and negotiation of consortia agreements, patent landscape analyses, and identification of essential patent claims.

With extensive experience in technology transfer, Mr. Wixon worked cooperatively with and between private and public laboratories, universities, corporations and government agencies, including the negotiation of patent and know-how licenses, Cooperative Research and Development Agreements, employment contracts, and confidentiality agreements.

Mr. Wixon received his J.D. from George Washington University, where he was a member of The George Washington Law Review. He holds a B.S. in zoology with a minor in chemistry and an M.S. in neuropharmacology from the University of Maryland, College Park.

A Certified Licensing Professional, Mr. Wixon is Immediate Past Chair and current Education Chair of the Maryland Chapter of the Licensing Executives Society, USA and Canada (LES). He has been a member of the LES Professional Development Series (PDS) faculty for many years, teaching fundamental, intermediate and advanced PDS courses. He is Co-Chair of the Board of Visitors of the College of Computer, Mathematical and Natural Sciences of the University of Maryland, College Park.

Eric Wrzesinski

Eric Wrzesinski has a J.D., with a focus on patent and intellectual property law,

Speaker Bios

from Marquette University in Milwaukee, WI and a B.S. in Biomedical Engineering from Northwestern University in Evanston, IL. He is a current member of the State Bar of Wisconsin and has also earned the Walter P. Murphy Cooperative Engineering Education Program certificate, Engineering Business Basics Certificate and a minor in Political Science from Northwestern University. While at Marquette University Law School, he authored the published law review article Breaking the Law to Break into the Black: Patent Infringement as a Business Strategy and also served as members of the Marquette Intellectual Property Law Review and the Giles Rich Patent Moot Court team. His prior patent searching experience at Cardinal Intellectual Property, Inc. included supervision, review and analysis of private client patent clearance, examination, infringement, invalidity and patentability searches, as well as for PCT application search reports. Eric primarily focused his patent search work on biomedical device, biotechnology and pharmaceutical technologies. He also has professional experience in legal research for Marquette University Law School and in engineering research and development in the Bioorthologics Department at DePuy Orthopaedics, Inc in Warsaw, IN. While working as a co-op research engineer at DePuy, Eric researched the biomechanical and biochemical properties and efficacy of various meniscus, cartilage and tendon tissue regenerative biomaterials, including small intestine submucosa (SIS). He is experienced in all types of Patent and Non-Patent Literature searching, including Clearance, Examination, Infringement, Invalidity, Patentability and State-of-the-Art searches.

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SESSION DESCRIPTION TAB - TUESDAY

Session Descriptions

Tuesday, May 1, 2012

Keynote Address

Grand Station 1 & 2

Moderator: ***Ed Linsenmeyer,*** *Manager, Naval Surface Warfare Center, Panama City Division Office of Research and Technology Applications*

Speaker: ***Brian E. Joseph,*** *Co-Founder,Touchstone Research Laboratory, Ltd., Founder, SJ Little Invention and Consulting*

Beta Labs — Bridging the Valley of Death

10:30 - 11:45 a.m.
Grand Station 1

This panel will introduce TechComm's Beta Lab Initiative, which involves the selection of twelve federal labs working with TechComm to develop and implement TechComm's long-range, national strategy for federal technology commercialization, which is based on the premise of developing a national network of industry, university, economic development, and venture capital partners.

Moderator: ***Wes Jurey,*** *Chairman of the Board and CEO, Center for Innovation*

Speakers*:*

- ***John Dement,*** *Office of Research and Technology Applications at Crane Division, Naval Surface Warfare Center*
- ***Dr. Richard Brenner,*** *Assistant Administrator, U.S. Department of Agriculture, Agricultural Research Service*
- ***Matt Ringer,*** *Manager, Technology Commercialization Program, National Renewable Energy Laboratory*
- ***Chuck Hennig,*** *Research Coordinator, Bureau of Reclamation*

Space Solutions to Earth's Global Challenges

10:30 - 11:45 a.m.
Grand Station 3-5

This session highlights NASA's efforts, in partnership with USAID, the Department of State and NIKE, to identify technologies that can be applied to solving problems and challenges in the developing world. These range from providing small villages in remote areas of the world with technology for safe drinking water, to energy generation and storage capabilities. The session will showcase NASA's LAUNCH Initiative, which is designed to accelerate innovation for a sustainable future. LAUNCH searches for innovators whose world-class ideas, technologies or programs show great promise for making tangible impacts on society in global "grand challenge" areas, including water, health, and energy. Through LAUNCH, NASA brings to the table a problem-solving culture, deep technical expertise, and a unique capacity to capture and analyze data about our home planet.

Moderator: ***Diana P. Hoyt,*** *Innovation Manager, Office of the Chief Technologist, Partnerships, Innovation and Commercial Space, NASA*

Speakers:

- ***Diane Powell,*** *Office of the Chief Technologist, NASA*

Session Descriptions

- ***Daniel Lockney,*** *Program Specialist, Innovative Partnerships Office, NASA*
- ***Stephanie Granger,*** *Senior Member of Technical Staff, Jet Propulsion Laboratory, NASA*
- ***Will Schmitt,*** *Open Innovation Advisor in the U.S. Agency for International Development's (USAID) Office of Science and Technology*

Cluster Development: A Case Study With Metrics

1:15 - 2:30 p.m.
Grand Station 1

Cluster development, company creation, and jobs are all hot topics as well as basic mandates of the Office of Research and Technology Applications (ORTA) mission. So how do you do it? What resources does it take? How long does it take? Are there models and lessons learned? A recent case history of a cluster development effort with metrics will be presented by a panel of those involved in the effort. It will feature the critical roles various federal, state, and local tech transfer and business development entities played in this success. Here is a successful model for possible replication.

Moderator: ***Paul C. Mele, Ph.D.****, Director, Office of Research and Technology Applications, United States Army Medical Research and Materiel Command*

Speakers:

- ***Ronald W. Kaese****, Director, Federal Programs, Maryland Technology Development Corporation*
- ***Michael J. Dailey,*** *Director, Frederick Innovative Technology Center, Inc.*
- ***Christine Demas,*** *Executive Director, Fort Detrick Business Development*
- ***Sherman Coleman****, Business Development Specialist, Frederick County Division of Business Development and Retention*

Making Social Media a Reality: Insights From Implementers

1:15 - 2:30 p.m.
Grand Station 3-5

Few federal technology transfer offices (TTOs) are tapping into the power of social media, which is not surprising given tight budgets, overloaded staff, and strict communication rules. Yet blogs, tweets, and "likes" are key paths to a TTO's messages reaching the general public. Effective, cost-efficient use of social media also can connect TTOs with licensing prospects and potential partners for specific opportunities. Some federal labs have established an effective tech transfer presence on the various social media platforms. Come to this session to find out how they made social media a reality for their TTO. Panelists will share information to enable more federal TTOs to tap into this effective means of communication. Forget the technical mechanics of how to use the various social media tools. For federal labs, the real question is: What are the structural logistics for implementing social media? This session will answer that question, helping attendees develop and implement a plan to incorporate social media into their TTO's communications strategy.

Moderator: ***Danielle McCulloch****, Senior Consultant, Fuentek, LLC*

Session Descriptions

Speakers:

- ***Robert Bechtel,*** Chief Technology Officer and Senior Policy Advisor for the DOE's Office of Energy Efficiency and Renewable Energy
- ***Daniel Lockney,*** *Program Specialist, Innovative Partnerships Office, NASA*
- ***Matt Ringer,*** *Manager, Technology Commercialization Program, National Renewable Energy Laboratory*

"10 Deals in 6 Months" Leveraging Your Network for Fast Impact!

3:00 - 4:30 p.m.
Grand Station 1

Moderator: ***John Dement,*** *Office of Research and Technology Applications at Crane Division, Naval Surface Warfare Center*

Speakers:

- ***Sean Patten,*** *Technology Manager, TechLink*
- ***Mark Bernhard, Ph. D,*** *Associate Provost for Outreach and Engagement, University of Southern Indiana*
- ***Debbie Dewey,*** *President, Growth Alliance for Greater Evansville*
- ***Timothy Wagler,*** *Vertices360*

Entrepreneurship Programs and the Federal Labs

3:00 - 4:30 p.m.
Grand Station 3-5

Moderator: ***Thomas Clouse, J.D., M.F.S., CLP,*** *Technology Transfer Specialist, National Cancer Institute, National Institutes of Health*

Speakers:

- ***Dr. Robert J. Griesbach,*** *Deputy Assistant Administrator, Office of Technology Transfer, Agricultural Research Service, U.S. Department of Agriculture*
- ***Richard Bendis,*** *President and CEO, Innovation America and Interim CEO, BioHealth Innovation, Inc.*
- ***Belinda Snyder,*** *Program Manager, Los Alamos National Laboratory*

Speaker Bios

Robert W. Bectel

Robert Bectel serves as Chief Technology Officer and Senior Policy Advisor for the Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE), where he helps to accelerate the commercialization of new energy solutions. To accomplish this, he brings a unique passion, focus, and expertise on using cutting-edge technologies to enable the development of low-cost and easily accessible distributable content, mobile applications, robust software and interactive destinations—all with the goal of transforming and expediting market acceptance. Prior to his transition to government, Mr. Bectel's 15-plus years of experience included both nonprofit and commercial sectors. He built and managed the first vertical business network for pharmacists, www.pharmacistelink.com, for the National Community Pharmacists Association, and led its Committee on Innovation and Technology.

Prior to, he directed the development of the USDA consumer website and was the marketing director for ChainDrugStore.net. As the portal manager for the TruSecure Corporation, he performed interactive outreach activities to customers and the public on matters of information and network security. Mr. Bectel has co-authored several publications and textbooks on long-term care systems in the United States and Europe.

Dr. Richard Brenner

Dr. Rick Brenner has been the Assistant Administrator in ARS for Technology Transfer since October 2004. In this capacity, he represents the Secretary of Agriculture on issues pertaining to management of intellectual property arising from USDA research, and has the delegated authority for licensing inventions developed through intramural research in any of the USDA agencies. Prior to this position, Dr. Brenner served as the Deputy Assistant Administrator for the Office of Technology Transfer (OTT), USDA-ARS, from August 2001, where he managed much of the daily operations on CRADAs, patents, and licensing. From 1984, Dr. Brenner served as a Research Entomologist and later as a Research Leader for ARS in Gainesville, Florida, following a 2-year research assignment in Chiapas, Mexico. Career awards include Outstanding Senior Scientist, USDA Award for Superior Service, ARS Technology Transfer Awards, the 2010 FLC Outstanding Technology Transfer Professional Award, an FLC Technology Transfer Award, and the "Pollution Prevention Project of the Year," award in 1999 under the Strategic Environmental Research and Development Program, jointly awarded by the Department of Defense, Department of Energy, and the EPA.

Dr. Brenner is a member of LES and AUTM, the Agency Representative to

the Federal Laboratory Consortium for USDA, and the Interagency Working Group for Technology Transfer convened monthly by the Department of Commerce Office of Technology Policy. He has a Ph.D. in medical entomology from Cornell University, and 2 degrees from the University of Illinois.

Sherman Coleman

Sherman Coleman is a native of Chicago, and a graduate of the University of Detroit. For the past four years, Mr. Coleman has been employed as the Technology Transfer Specialist for Frederick County, working closely with the Fort Detrick Technology Transfer Initiative Awards Program and currently the Joint Technology Transfer Initiative Awards Program of TEDCO.

Mr. Coleman was responsible for providing professional support and coordination with the Fort Detrick Business Development Office, the Frederick Innovative Technology Center, and the Frederick County Office of Economic Development. He conducts outreach to businesses to determine how the county and the state can best meet their needs, and connects them with services and opportunities at Fort Detrick.

Mr. Coleman possesses over 20 years of business development experience, which includes a position at STG, Inc., in Reston, Va., where he served as Director of Business Development. In that role he supported the Aberdeen Proving Ground's Edgewood Chemical Biological Center.

He also served in the U.S. Navy and was stationed at Naval Air Station Lemoore, California. He is an avid sports fan and played basketball at the University of Detroit.

Michael J. Dailey

Michael J. Dailey is the Executive Director and President of the Frederick Innovative Technology Center Inc. (FITCI), where he works with technology-based startup companies. A technologist, entrepreneur, and experienced manager, he has started and sold several small businesses. Prior to working for FITCI, he spent over 20 years in sales and marketing and consulting for high-tech companies and their products. Mr. Dailey has held positions as a product manager, marketing manager, sales manager, and operations manager. His broad range of experience from companies both large and small has helped him successfully launch numerous high-tech products.

He holds a B.S. in Business Administration from Lewis University in Lockport, Illinois. He is a member of the Frederick Area Chamber of Commerce, the Technology Council of Maryland (TCM), Vice President of the Entrepreneur Council of Frederick County, and a former president of the Maryland Business Incubator

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Association (MBIA). Mr. Dailey has lived in Frederick for over 14 years, and gives frequent speeches on entrepreneurship and business incubation.

Christine Demas

Christine Demas serves as Director of the Fort Detrick Business Development Office (FDBDO), a federal contract managed by Beacon Associates. Ms. Demas is responsible for the overall operation and management of the FDBDO.

She is an entrepreneur with extensive domestic and international experience in strategic marketing and business development in the wireless and aviation industries. Ms. Demas held positions with both Hughes Network Systems and the Air Transport Association before starting her own company, Blue Sky, Inc., which she sold in 2008. Since then she has worked in positions that support the mission at Fort Detrick.

In addition to her career experience and accomplishments, Ms. Demas has contributed significantly to volunteer efforts. She was instrumental in bringing SCORE (Counselors to America's small business) to Frederick County, and is the immediate past chair of the Frederick SCORE chapter.

Ms. Demas also serves on the Frederick County Agricultural Business Council and the Frederick County Workforce Development Council; and she sits on the Board of Directors for both the National Museum of Civil War Medicine and the Friends of Meals on Wheels. In 2006 the United States Army honored her with the Commander's Medal for Public Service for her work as a Family Readiness Group Leader for the 6th Brigade, 80th Division of the U.S. Army, a position she held from 2005 to 2006.

Originally from Pittsburgh Pa., she graduated from the University of Pittsburgh with a bachelor's in Economics and then received her master's from The Johns Hopkins University in Baltimore. In 2010, she completed the Leadership Frederick County program.

Ms. Demas and her husband farm in Frederick County, where she has lived since 1996. They raise beef cattle and chickens.

John Dement

John Dement is the Office of Research and Technology Applications (ORTA) at Naval Surface Warfare Center, Crane Division (NSWC Crane). The ORTA position was established by U.S. law 15 USC 3710, Utilization of Federal Technology, to ensure full use of the results of the nation's federal investments in research and development. To this end, Mr. Dement strives to transfer federally owned or originated technology to state and local governments and the private sector. Mr. Dement has been a member of the FLC's Executive Board since 2008. Mr. Dement has worked at NSWC Crane since 1990. He began his career with

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the Navy as an engineer working on submarine towed array handling equipment. This role grew into management, culminating with year-long assignments in 1996 as the Systems Engineer for Towed Array Handlers in the Program Office, Washington, D.C., and in 1997 as the Science Advisor to the Pacific Fleet's Maintenance Officer, a one-year assignment in Pearl Harbor, Hawaii, during which he was awarded the Navy's Meritorious Civilian Service Award for technology transition to the Fleet.

From 2001 to 2006, Mr. Dement established NSWC Crane's Technology Engagement Office (TEO), whose mission is to proactively and innovatively create technology-based business partnerships with industry and academia that bolster NSWC Crane's mission to support the warfighter. This included SBIRs and other S&T-oriented alternative funding programs, Work With Private Parties, and university and industry engagement. In 2006, Mr. Dement assumed the ORTA and other technology transfer roles.

Before working for the Navy, he worked as a structural engineer on the F-15E for McDonnell Douglas.

Mr. Dement has a B.S. in Civil Engineering from the University of Evansville (1988) and a Master's in Public Administration from Indiana University (2000). He is also a DAWIA-certified Level III in Systems, Planning, Research, and Development and Level III in Science and Technology.

Deborah D. Dewey

President of the Growth Alliance for Greater Evansville since September 2010; recently appointed to the Board of Directors for Grow Southwest Indiana Workforce. Has been a small business owner and worked as a business consultant for large corporations and angel investor groups, developing strategic plans and new business plans for energy and transportation-related businesses.

For 5 years, was president of Western Kentucky Energy, a non-regulated power generation subsidiary of LG&E Energy with three coal-fired power plants and 500 employees.

Prior to that, recruited by GE with personal invitation from Jack Welch to become product general manager of GE's Large Electrical Generator business with annual sales of over $500 million. In addition to this role, she assumed the role of general manager for GE's generator manufacturing operations in Schenectady, N.Y., leading a manufacturing workforce of over 1,100.

At Westinghouse Electric Corporation, held positions of increasing responsibility, from Turbine Design Engineer to Technical Field Service Manager to Manager of Strategic Planning for the Power Systems Business Unit.

Holds a B.S. in Mechanical Engineering from Florida Institute of Technology and an M.B.A. from the University of Central Florida.

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Served on the boards of the Western Kentucky Coal Association, the Western Kentucky Contractors Association, and Ohio Valley National Bank.
Past president and Board Member for the United Way of Henderson County and a founder of the Riverbend Academy of Visual and Performing Arts.

Dr. Karina Edmonds

Dr. Karina Edmonds was appointed Technology Transfer Coordinator for the U.S. Department of Energy (DOE) in April 2010 by Secretary of Energy Dr. Steven Chu. Created by the Energy Policy Board Act of 2005, this is the first time that the Department has appointed a full-time person to fill this role. Dr. Edmonds is responsible for working with the Department's National Laboratories to accelerate the process of moving discoveries from the laboratory to the private sector, ensuring that America's scientific leadership translate into new, high-paying jobs for America's families.
In a statement, Secretary Chu said, "I am pleased to have Karina join our team at the Department of Energy. Having Karina oversee a coordinated, strategic effort on behalf of the Department will help increase the rate of successful technology transfers, creating clean energy jobs and providing more solutions to our energy challenges."
Dr. Edmonds joined the DOE after working at the Jet Propulsion Laboratory (JPL) at California Institute of Technology where she served as Director of JPL Technology Transfer. While at JPL, Dr. Edmonds also held positions in the Strategic Intellectual Assets Management Office as Senior Technology Transfer Specialist and in the Strategic University Research Partnership Office as Manager before finally becoming the Director of JPL Technology Transfer. In that position, her job duties included licensing technologies developed at both JPL and Caltech to industry and start-ups, managing the JPL patent portfolio, assisting Caltech start-ups, and managing prosecution of Caltech's patent filings. Dr. Edmonds is a registered patent agent with the U.S. Patent and Trademark Office.
Prior to her work at JPL, she worked as Principal Investigator at TRW, Inc. for internal research and development efforts. During her tenure there, she co-authored two patent applications in the area of noise reduction for the automotive environment.
Dr. Edmonds received a bachelor's degree in mechanical engineering from the University of Rhode Island. She holds master's and doctorate degrees in aeronautics with a minor in material science from the California Institute of Technology in Pasadena, California.

Stephanie Granger

Stephanie Granger is a senior member of the technical staff at NASA's Jet Propulsion Laboratory (JPL), with more than 25 years' experience in earth science remote sensing studies, science data

product development, GIS applications, and science visualization. She is a Research Scientist in the Climate, Ocean, and Solid Earth Science section, focused on research applications in support of water supply sustainability. She manages projects in support of JPL's contribution to NASA's SERIVR initiative to integrate satellite observations, ground-based data, and forecast models to monitor and forecast environmental changes in Central America, Africa, and the Himalayas.

Ms. Granger also works with water resource agencies in California to identify applications of NASA earth science results for monitoring water quality in the Sacramento-San Joaquin Bay-Delta. Her research interests include connecting science and decision-making, stakeholder engagement, and use of earth science information for water management and climate change adaptation. She holds a B.S. from the University of Redlands, and an M.S. in Information Systems and Technology from Claremont Graduate University, California.

Diana Palmer Hoyt

Ms. Hoyt currently serves as the Innovation Manager in the Office of the Chief Technologist, Partnerships, Innovation and Commercial Space, at NASA Headquarters in Washington, D.C. In this capacity, she leads the development of innovation strategies, tools, and tactics to drive space technology development and commercialization, including the development of nontraditional and strategic partnerships. Her current work includes a focus on the development of regional economic innovation clusters. She has been at NASA since 1991, and has worked in a variety of offices, including the Space Exploration Office (SEI under President George H. W. Bush, working for Mike Griffin, the former NASA Administrator), where she served as the Deputy Director, Policy and Outreach, the Office of Life and Microgravity Sciences and Applications, as Director of Policy and Outreach, the Office of Policy and Plans, the Office of External Relations, and also in the Office of Infrastructure as the Deputy Manager for Infrastructure Transition, as well as the lead for strategic planning and policy.

Prior to joining NASA, she worked for former Secretary of the Department of the Interior Manuel Lujan, Jr., as Deputy Director, Office of Policy Analysis; Special Assistant, Office of Water and Science; and Director, Scheduling and Speechwriting. From 1979-1987 she worked for the U.S. House of Representatives in a variety of positions: Press Secretary and Legislative Assistant for Congressman Daniel K. Akaka (D-HI), Executive Director of the Congressional Space Caucus, and as Committee Staff for the House Science and Technology Committee. While on Capitol Hill, she drafted and engineered passage of HR 3942, the

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Commercial Space Launch Act, which provided for the commercialization of expendable launch vehicles. The bill became law and continues to be amended yearly. Ms. Hoyt was the founder and first president of Women in Aerospace, and the founder and first chair of the Congressional Staff Space Group. Prior to coming to Washington, D.C., she served as press secretary to Honolulu Mayor Frank F. Fasi, as well as a reporter-broadcaster for KHVH radio in Honolulu.

A Danforth Teaching Fellow at Philips Andover Academy, she taught French at both Andover and the University of Maine in Orono. She holds an M.S. in Science and Technology Studies (Virginia Tech), an M.A. (ABT) in French Literature, and is scheduled to complete her Ph.D. in Science and Technology Studies at Virginia Tech this year. She is fluent in French. She has received numerous awards from both the Department of the Interior and NASA for outstanding leadership and performance. Her research interests include the philosophy of science and epistemology, with a particular focus on how knowledge claims are made and justified. She and her husband Richard live with 22 wirehaired dachshunds in a rather chaotic household in southern Maryland.

Brian E. Joseph

Brian E. Joseph is co-founder of Touchstone Research Laboratory and founder of SJ Little Invention and Consulting. His primary area of study is high-speed, low-cost, breakthrough innovation. He has won numerous awards, including Entrepreneur of the Year for West Virginia and the National Blue Chip Enterprise Award from the U.S. Chamber of Commerce. Brian has more than 20 granted patents, with many more in process.

In addition to his business activities, Mr. Joseph is Chairman of the Board of West Liberty University, his alma mater; serves on the editorial staff of the journal, Research Technology Management; and is a founder of the West Virginia Society of Inventors.

When not working for one of his companies, he enjoys driving his vintage hydroplane race boats at events across the eastern U.S.

Wes Jurey

Wes Jurey was appointed President and CEO of the Arlington (Texas) Chamber of Commerce on October 1, 2001. Recognized nationally as a leader in the “Innovation Economy.” In 2002 he established the Center for Innovation as a catalyst for technology-based economic development, premised on the belief that our future economic sustainability is dependent on our ability to foster collaboration among and between our nation’s federal labs, research-oriented

universities, technology-focused economic development entities, and the venture capital industry.

The Center's support of the University of Texas at Arlington has enabled its emergence as a nationally recognized research institution. In the past six years, externally funded research has grown from $23 to $75 million annually; invention disclosures from 2 to 70 annually, with 11 companies created; and over $266 million secured to expand research facilities, attracting more than 140 new research-oriented faculty.

In 2010, the Center launched TechComm, a new Federal Partner Intermediary focused on building an interagency model for federal technology transfer, utilizing a network of affiliate partner corporations, universities, economic development organizations, and venture funds throughout the U.S.

In order to achieve TechComm's objectives, the Center is bringing together its agreements to serve as partner intermediary to the U.S. Departments of Defense, Agriculture, and Homeland Security; National Institutes of Health; National Institute of Standards and Technology; and the National Oceanic and Atmospheric Administration to serve the technology transfer goals of all participating agencies.

Mr. Jurey previously served as President and CEO of the Greater El Paso Chamber of Commerce from 1990-2001, where he launched the Paso del Norte Technology Initiative, focused on developing the resources necessary to support the emergence of technology-related jobs and industries in the West Texas region. This included establishment of the Paso del Norte Angel Investor Network, which currently boasts more than 100 member/investors.

He earned his B.A. in Education from Phillips University in Enid, Oklahoma, in 1972; is a graduate and former faculty member of the Boy Scouts of America's National Executive Institute; and a Certified Fundraising Practitioner.

Selected in 2009 as a Ford Foundation Fellow, Mr. Jurey serves on the Advisory Boards of the Schools of Business and Engineering at the University of Texas at Arlington; the U.S. Department of Labor Advisory Committee on Apprenticeship; as Chair of the Strategic Planning Committee for the North Texas Regional Center for Innovation and Commercialization; and was appointed Chairman of the Texas Workforce Investment Council by the governor in 2009.

He was one of 25 commissioners appointed by the Business Roundtable to serve on the Springboard Project, which provided recommendations to the Obama Administration, and in 2010 was appointed to the Council on Competitiveness' Workforce Advisory Group.

Ronald W. Kaese, M.B.A., M.S., M.E.

Mr. Kaese came to TEDCO from the NASA Goddard Space Flight Center, from which he retired after 32 years of

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government service. He has worked primarily in an R&D environment within the U.S. Army and NASA. While assigned to the NASA Goddard Technology Commercialization Office (TCO), he served as its Acting Chief before retiring. Mr. Kaese's work experience includes serving in the U.S. Air Force and working in the COMSAT Labs, U.S. Army Materiel Command and U.S. Army Europe (USAREUR), and the Maryland Department of Business and Economic Development, Investment Finance Group. He has worked in technology transfer and economic development since 1998.

Mr. Kaese holds an M.B.A. and an M.S. in Technology Management from the University of Maryland University College, an M.E. in Industrial Engineering from Texas A&M University, and a B.S. in Electronic Engineering from the University of Maryland at College Park.

Mr. Kaese has presented locally, regionally, nationally, and to foreign delegations as both as a speaker and a panel member on the topic of technology-based economic development. Presentation forums include The National Academies, FLC national and Mid-Atlantic Region, National Association of Seed and Venture Funds, Connecticut's National SBIR Conference, and Create West Virginia. Foreign delegation presentations include Japan, China, Brazil, Iraq, and the U.K. He also serves on several economic development-related boards/committees.

Edward C. Linsenmeyer

Edward Linsenmeyer graduated from the Illinois Institute of Technology with a B.S. in physics and then attended the University of Florida, where he was a John C. Slater graduate research fellow for the Quantum Theory Project, a joint program with Uppsala University, Sweden. After obtaining an M.S. and being admitted to candidacy for a Ph.D., he taught at Santa Fe Community College, Gainesville, Fla.

In 1981 Mr. Linsenmeyer came to the Naval Surface Warfare Center, Panama City Division (NSWC PCD). During his first assignment he served as Project Leader for writing the first U.S. Marine Corps Amphibious Warfare Master Plan; he later served as the Lead Project Engineer for Exploratory Development Programs in Air and Sea Mine Countermeasures (MCM). After a year at the Office of Naval Research (ONR) as a Technical Area Manager in mine warfare, he returned to Panama City to manage the MCM Exploratory Program. During this time he also won an international award from the Technical Cooperation Program for his contributions in the development of mine burial prediction models.

Mr. Linsenmeyer has served as the manager of the NSWC PCD Office of Research and Technology Applications (ORTA) since 1992. In that capacity he has held a variety of offices for the Federal Laboratory Consortium for Technol-

ogy Transfer (FLC), including Program Committee Chair, Member-at-Large to the FLC Executive Board, Regional and Deputy Regional Coordinator of the Southeast Region, Vice-Chair of the national FLC and, in September 2007, he completed a four-year term as the Chair of the national FLC. Mr. Linsenmeyer has remained an active participant with the FLC Executive Board and recently accepted the position of Program Committee Chair.

Mr. Linsenmeyer has been involved in educational outreach activities in his role as the ORTA manager. He has led and coordinated NSWC PCD's participation in the ONR Naval Research Enterprise Intern Program (NREIP), ONR's Summer Faculty Research Program (SFRP) and postdoctoral students. In FY 2008, he was appointed the laboratory's manager of the FLORIDA demonstration project under the Office of the Secretary of Defense's National Defense Education Program. Mr. Linsenmeyer also serves as the NSWC PCD and Naval Surface Warfare Systems Command (NAVSEA) SMART (Science, Mathematics, and Research for Transformation) Program Coordinator. SMART provides full scholarship, stipend and employment for highly qualified undergraduate and graduate students in the physical sciences and engineering. He also serves on several NAVSEA panels for systems engineering education.

Mr. Linsenmeyer has been active with the DOD Technology Transfer Integrated Project Team (TTIPT), serving on planning committees and as a lecturer on CRADAs. As a Navy ORTA, he has also led the team to revise the Navy's standard CRADA and develop the Navy CRADA Handbook and its revision.

Mr. Linsenmeyer has been recognized by the FLC having received both the regional and national FLC Laboratory Representative of the Year Awards (1995) and the SE FLC Laboratory Representative of the Year Award in 2007. In May of 2008, Mr. Linsenmeyer received the FLC Harold Metcalf Award recognizing sustained significant service to the FLC. In FY 2009, Mr. Linsenmeyer was named the FLC Laboratory Representative of the Year for the second time.

Mr. Linsenmeyer has been involved with the Navy's Small Business Innovation Research program since 1983. He serves on the advisory board of the Bay County Small Business Incubator, and recently completed a five year appointment to State of Florida Small Business Development Centers Advisory Board.

Daniel Lockney

Daniel Lockney is the Technology Transfer Program Executive at NASA Headquarters, responsible for facilitating the transfer of NASA technology to the private sector, other government agencies and academia, as required by law, to promote the commercialization and public availability of federally owned inventions to benefit the national

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economy and the U.S. public.
NASA has a long history of finding new, innovative uses for its space and aeronautics technologies, and Mr. Lockney is the agency's leading authority on these technologies and their practical, terrestrial applications. He is adept at highlighting anecdotally the more than 1,750 documented NASA spinoffs, demonstrating how they reach throughout the economy and around the globe, helping businesses to create jobs, generate revenue, and save money, while also saving and improving lives, making us safer, and providing better qualities of life to people around the world.
Mr. Lockney studied American Literature at the University of Maryland, Baltimore County and creative writing at Johns Hopkins University. Prior to working for NASA, he taught journalism and technical writing in Baltimore, where he resides.

Danielle McCulloch

Danielle McCulloch is a senior technology transfer consultant with Fuentek, LLC, which has provided intellectual property (IP) management, technology commercialization, and open innovation services to government, university, and corporate clients since 2001. She serves as Fuentek's client lead at several federal laboratories and major research universities. As a tech transfer practitioner, Ms. McCulloch is particularly skilled at examining IP portfolios to identify the technologies with the greatest potential for commercialization success and then developing and implementing an effective marketing strategy. Her work in the digital media realm includes leading a comprehensive
revamping of the tech transfer website for NASA's Dryden Flight Research Center, a revised website for Georgia Tech, and blog posts and other social media activities for Fuentek. Ms. McCulloch also has trained scores of tech transfer professionals and interns in various aspects of the tech transfer process. An experienced marketing manager, she
also possesses in-depth knowledge of business strategy, market analysis, new product planning, and market development. With more than 16 years of experience, she has technical expertise in a very broad range of fields—from manufacturing to advanced materials to high-tech medical devices. Ms. McCulloch earned her M.B.A. at Dartmouth College and a B.S. in chemical engineering from Washington University.

Paul Mele

Paul Mele received a B.S. in biology and psychology from Union College, and a Ph.D. in experimental psychology from Adelphi University. He held research positions at the University of Wisconsin, the Philip Morris Research Center, and the Armed Forces Radiobiology Research Institute. In 1995, Dr. Mele moved

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into technology transfer as Chief, Office of Research and Technology Applications, Walter Reed Army Institute of Research (WRAIR), where he guided WRAIR's technology transfer program on the development and commercialization of drugs, vaccines and medical devices in support of the Army's mission. In 2000, he became the first Director of Technology Transfer for the Army's Medical Research and Materiel Command at Fort Detrick. In this capacity, Dr. Mele oversees the Army Medical Command's patent licensing program and coordinates technology transfer activities among its component laboratories, hospitals and health care centers. Dr. Mele is a member of the Association of University Technology Managers, the Federal Laboratory consortium, and the Association of Government Toxicologists. He has published and presented the results of a variety of scientific investigations, and he is the recipient of the 2005 Department of Defense Technology Transfer Award.

Sean Patten

Sean Patten, Senior Technology Manager, has served as TechLink's specialist in software and information technology for the past nine years. In this position, he has worked closely with DOD lab personnel to develop creative new ways to transfer software to industry. In addition to software, his licensing specialties include electronics, and photonics and sensors. He has brokered approximately 40 license agreements. Prior to joining TechLink, Mr. Patten had more than 12 years of industry experience that included nationwide marketing, sales, and installation of high-value air pollution control equipment, and marketing, sales and key account management of fiber-optic test and measurement devices for the telecommunications industry. He has a B.S. in electrical engineering from Montana State University. Mr. Patten is a member of the international Licensing Executives Society (LES) and is a Certified Licensing Professional.

Diane Powell

Diane Powell has worked with the National Aeronautics and Space Administration (NASA) for the past 20 years. During that time she has developed programs to increase public awareness about NASA's missions and create new ways for the American public to actively participate in their space program. Today she works in the Office of the Chief Technologist at NASA Headquarters in Washington, D.C. Over the past two years, she has led a unique partnership among NASA, the U.S. Agency for International Development, the U.S. State Department, and Nike to identify, showcase, and support innovative approaches to sustainability challenges. Together they have created LAUNCH—a program that gathers scientists, entrepreneurs and inventors at

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NASA's Kennedy Space Center. She was recently selected as a finalist for the 2011 Service to America Medal, which is awarded to public servants whose achievements have improved the lives of Americans and others around the world. Ms. Powell is seen as an innovator and a connector; she enjoys bringing different people together to solve a common problem.

During the panel discussion, she will share how this partnership came about and their current successes. She will also speak about an upcoming event that will occur next month at the Kennedy Space Center, where ten new innovations in the field of energy will be showcased.

Matthew Ringer

Matt Ringer manages the National Renewable Energy Laboratory (NREL) technology commercialization program and leads the lab's innovation management process. He has managed the development of the Energy Innovation Portal, a first of its kind web application to increase the visibility of DOE laboratory-created innovations. He has overseen NREL's investment of the Technology Commercialization and Deployment Fund, a DOE-sponsored seed investment fund. He also evaluates opportunities across the clean technology space that utilize NREL-developed intellectual property.

Mr. Ringer has worked at NREL since 2001. Prior to working in Commercialization and Technology Transfer, he was a senior chemical engineer in both the Biomass and Hydrogen programs. He has a B.S. in Chemical Engineering from the University of California at San Diego and an M.B.A. from the University of Denver's Daniels College of Business.

Will Schmitt

Will Schmitt is an Open Innovation Advisor in the U.S. Agency for International Development's (USAID) Office of Science and Technology. His current focus in international development practice includes information and communication technology for development, economic growth, and new models for promoting entrepreneurship that address the roots of critical development problems. His primary regional focus is on sub-Saharan Africa, and he has served USAID in Nigeria and South Sudan, with previous experience in Kenya.

Mr. Schmitt is the founding Program Manager at USAID for LAUNCH, a unique technology and entrepreneurship support program co-presented by USAID, NASA, the Department of State, and Nike, Inc. In this role he focuses on applying USAID's technical expertise in LAUNCH and integrating aspects of LAUNCH's open innovation experience into USAID's development practice. He also has significant experience as a Democracy and Governance Officer.

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Mr. Schmitt holds a M.S. in Foreign Service with honors from Georgetown University's School of Foreign Service and a B.A. in Government and French with distinction in all subjects from Cornell University. He has Kentucky roots, and is a rabid Georgetown basketball fan.

Belinda Snyder

Belinda Snyder is currently Program Manager of the Development Office within the Technology Transfer Division of Los Alamos National Laboratory (LANL). Since starting at LANL in 1993, she has worked with a broad range of LANL staff and within a wide variety of programs to facilitate technology commercialization. She has spearheaded the creation and implementation of a number of LANL; Los Alamos National Security, LLC; and state-sponsored programs designed to stimulate regional economic development, including LANL's MBA Internship Program, Visiting Entrepreneur Program, and Entrepreneurial Post-Doc Program; the Los Alamos Venture Acceleration Initiative; LabStart, a joint venture with Arch Ventures and Verge Fund; and Northern New Mexico Connect. Since 1997, she has successfully mentored 90 future business leaders and worked with over 100 new startup companies in northern New Mexico through these programs.

She earned both a B.B.A. in Marketing and an Executive M.B.A from the University of New Mexico. She gained over ten years of sales, marketing, and business development experience in private industry before joining LANL. She is currently chair of the FLC's State and Local Government Committee and former president of Coronado Ventures Forum. She is also a board member of the New Mexico Technology Council, an advisor to the Northern New Mexico Community College Business Curriculum Committee, and a member of the 2010 Leadership New Mexico class. Ms. Snyder has been recognized as a top technology leader, having been named as one of New Mexico Business Weekly's "top 25 techies" and "40 under 40" up-and-coming business leaders in 2003. She was selected as a "Who's Who in Technology" honoree in 2009 and a "Future Leader of New Mexico" by the Santa Fe New Mexican, and received Distinguished Performance Awards from LANL's Director in 1996 and 1998.

Timothy Wagler

Timothy Wagler is president of STIMULUS Engineering and an entrepreneur who believes in the power of technology to advance our lives. For that reason, accelerating its transition into beneficial applications is his life's work.

After receiving a degree in electro-optical applied science from the University of Houston, Mr. Wagler supported the Stinger Missile System CdS detector test and evaluation laboratory while employed at Cincinnati Electronics. He later accepted a position at the Crane Naval

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Weapons Support Center (now the Naval Surface Warfare Center – Crane Division [NSWC Crane]) to support night vision and electro-optic technology transition. In 2005, after various leadership assignments in the infrared, laser, microwave and electronic warfare business units, Mr. Wagler was assigned as the Division Head of Radar Technologies at NSWC Crane. In this position he was responsible for approximately 220 government employees, 120 contractors, and an approximate $100 million budget. Among numerous other programs, his team provided research and development support to the Aegis Combat System, the Missile Defense Agency, and the Joint Improvised Device Defeat Organization.

In 2007, Mr. Wagler joined STIMULUS Engineering. Under his leadership, the company has grown from 5 full-time employees in 2008 to 35 in 2010, and increased revenues to approximately $4 million. The company also launched consulting and technologies business units focused on the defense and security, energy, and advanced outdoors markets.

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SESSION DESCRIPTION TAB - WED

Session Descriptions

Wednesday, May 2, 2012

Technology Transfer Innovation in Response to the President's Challenge

8:00 - 9:30 am
Grand Station 1 & 2

In his October 28, 2011, Presidential Memorandum, President Obama recognized the important role of technology transfer to our nation and challenged agencies to develop innovative strategies to significantly increase technology transfer from federal laboratories. This session will focus on strategies from several key agencies and what to expect in the coming years as these plans are implemented.

Moderator: ***Paul Zielinski,*** *Director, Technology Partnerships Office, National Institute of Standards and Technology*

Speakers:

- ***Richard Brenner, Ph. D.***, *Assistant Administrator, U.S. Department of Agricuture, Agricultural Research Service*
- ***Dan Cundiff***
- ***Karina Edmonds,*** *Ph. D., Technology Transfer Coordinator, U.S. Department of Energy*
- ***Mark Rohrbaugh,*** *Director, Office of Technology Transfer, National Institutes of Health, Department of Health and Human Services*

Patent Reform: the AIA and the FLC

10:00 - 11:30 am
Grand Station 1

On September 16, 2011, President Obama signed into law the Leahy-Smith America Invents Act (AIA). This Act represents the first major overhaul of U.S. patent law since 1952, and will have far-reaching effects on U.S. patent law. Among the changes set forth in the Act are provisions that change the U.S. from a first-inventor-to-invent to a first-inventor-to-file system; change the way by which pre-filing disclosures can affect the issuance and validity of a patent; expand the ways whereby third parties can challenge patents and patent applications in front of the U.S. Patent & Trademark Office, including through post-grant opposition procedures; implement a prioritized examination option; and lower government fees for "micro-entities." Several provisions of the AIA directly impact inventions made with government funds. The panelists include a mix of experienced patent practitioners from federal laboratories and outside partners to discuss the new rules, how to adapt to them, and how FLC members and their intellectual property portfolios will be affected.

Moderator: ***Doug Yerkeson, Esq.***

- ***Robert A. Armitage,*** *Senior Vice President and General Counsel, Eli Lilly and Company*
- ***John Fargo****, Director, Intellectual Property Staff, Commercial Litigation Branch of the Civil Division, Department of Justice*
- ***Janet Gongola,*** *Patent Reform Coordinator, U.S. Patent and Trademark Office*

Session Descriptions

IP Monetization During an Economic Recession

10:00 - 11:30 a.m.
Grand Station 3-5

Moderator: ***Charles Salahuddin, J.D., M.S.,*** *Technology Transfer Specialist, National Cancer Institute, National Institutes of Health*

Speakers:

- ***Ian D. McClure,*** *Director, Intellectual Property Exchange International*
- ***Heidjer Staecker,*** *Partner, TreMonti Consulting, LLC*
- ***Dr. Elvir Causevic,*** *Managing Director, Ocean Tomo*
- ***Jim Jaffe,*** *President and CEO, National Association of Seed and Venture Funds*

Commercializing Government Software: Insights and Best Practices

1:00 - 2:00 p.m.
Grand Station 3-5

GOGOs and GOCOs differ in their ability to protect and commercialize software and other copyrighted materials. This session will briefly describe the differences in how federal labs handle software and explore current practices for GOGOs commercializing software. In addition, the session participants will explore if changes should be sought to broaden GOGOs' ability to protect software for commercialization purposes.

Moderator: ***Kathleen H. McDonald,*** *Los Alamos National Laboratory*

- ***Barry Datlof,*** *Licensing Officer, U.S. Army Medical Research and Materiel Command*
- ***Marcus A. Streips,*** *Attorney-Advisor, Intellectual Property, U.S. Army Medical Research and Materiel Command*
- ***Patricia Festin Doutriaux,*** *Assistant Counsel, Naval Research Laboratory*

Working More Economically: 'If the Sky Were the Limit What Would You Do in TT?'

2:15 - 3:15 p.m.
Grand Station 3-5

Moderator: ***Cheryl Cejka,*** *Director, Technology Commercialization, Pacific Northwest National Laboratory*

Speakers:

- ***Fizie Haleem,*** *Manager, Montgomery County Department of Economic Development*
- ***Steven M. Ferguson, CLP,*** *Deputy Director, Licensing and Entrepreneurship, Office of Technology Transfer, National Institutes of Health*
- ***Al Jordan,*** *Information Specialist, Marshall Space Flight Center*
- ***Gary Keller,*** *Founder and CEO, Xomix, Ltd*

Laboratory Directors' Panel

Laboratory Directors from a number of agencies will discuss their perspectives and actions regarding President Obama's October 2011 memorandum on accelerating technology transfer and commercialization of federal technology to foster economic growth. Time will be allocated to answer questions from the audience.

Moderator: ***Ric Trotta,*** *President, Trotta Associates, Inc.*

Session Descriptions

- ***Dr. Samuel H. Aronson,*** *Director, Brookhaven National Laboratory*
- ***Douglas L. Bowers,*** *Director, Air Force Research Laboratory Propulsion Directorate*
- ***Michael Kluse,*** *Director, Pacific Northwest National Laboratory*
- ***Joseph Wienand,*** *Director, Edgewood Chemical Biological Center*

Tech Transfer Espionage

2:15 - 3:15 p.m.
Grand Station 1

Is technology transfer a honey pot for industrial espionage? Use acted-out, real-life scenarios to see what you and your colleagues would do in a given situation. There are many roads to ruin—or even jail. Some companies will do anything to find out what you know, have, or can influence, not to mention the foreign countries that will send trained professional spies into our midst. Are you practicing "safe" technology transfer? Can you protect your scientists from traps? Who ya gonna call when the bad guys come? Share your organization's best practices with the audience, and let's all stay off the radar.

Moderator: ***Barry Datlof,*** *Licensing Officer, U.S. Army Medical Research and Materiel Command*

Speakers:

- ***Julio Suarez***
- ***Mark J. Surina***
- ***Darin Oelkers,*** *Senior Technology Manager, TechLink*
- ***Diana P. Hoyt,*** *Innovation Manager, Office of the Chief Technologist, Partnerships, Innovation and Commercial Space, NASA*

The Great Debate—Which Metrics Matter?

3:30 - 4:30 p.m.
Grand Station 1

From universities to federal R&D to regional initiatives, metrics are on everyone's mind these days. What should be measured? Why? In the world of technology-based economic development, SSTI's Regional Innovation Acceleration Network (RIAN) project concluded that only five measures should guide the assessment of every venture development organization. While some view this model as spot-on, others view it as dangerous. As we develop better metrics for technology transfer, what can we learn from this project? Join the debate on applying only a few metrics to every aspect of technology-based economic development.

Moderator: ***Belinda Snyder,*** *Los Alamos National Laboratory*

Speakers:

- ***Mark Skinner,*** *Vice President, State Science and Technology Institute*
- ***Deborah E. Cummings,*** *Senior Program Manager, Battelle, Technology Partnership Practice*

Leveraging Business Competitions

3:30 - 4:30 p.m.
Grand Station 3-5

How can national laboratories leverage the increased interest and funding for business plan competitions? The Administration, through Start-up America and the Department of Energy (DOE), recently announced the winners of its business plan competition. This panel will

address ways to ensure that are technologies are being considered and explored by student entrepreneurs. It will highlight student-focused programs at the laboratories and how they currently partner with existing competitions. The number of competitions is likely to increase based on university presidents' commitment to create student business competition as part of the National Advisory Council on Innovation and Entrepreneurship (NACIE). These competitions offer an excellent opportunity for laboratories' technologies to be part of a business plan and showcased to a broader audience. For instance, DOE's regional competitions will feed into a national forum.

Moderator: ***Karina Edmonds, Ph. D.,*** *Technology Transfer Coordinator, U.S. Department of Energy*

- ***Cheryl A. Fragiadakis****, Department Head, Technology Transfer and Intellectual Property Management, Lawrence Berkeley National Laboratory*
- ***Amy Francetic,*** *Executive Director, Clean Energy Trust*
- ***Nish Acharya****, Director, Office of Innovation and Entrepreneurship & Senior Advisor to the Secretary US Department of Commerce, Economic Development Administration*

Speaker Bios

Robert A. Armitage

Robert A. Armitage became senior vice president and general counsel for Eli Lilly and Company in January 2003, and is a member of the company's executive committee. He joined the company as vice president and general patent counsel in October 1999.

Mr. Armitage received a bachelor's in physics and mathematics in 1970 from Albion College, a master's in physics from the University of Michigan in 1971, and a juris doctor from the University of Michigan Law School in 1973. Prior to joining Lilly, Armitage was chief intellectual property counsel for The Upjohn Company from 1983 to 1993. He also was a partner in the Washington, D.C. office of Vinson & Elkins, LLP from 1993 to 1999.

Mr. Armitage is a past president of the American Intellectual Property Law Association (AIPLA) and the Association of Corporate Patent Counsel (ACPC). He is also a past chair of the National Council of Intellectual Property Law Associations (NCIPLA), the intellectual property committee of the National Association of Manufacturers (NAM), the Fellows of the American Intellectual Property Law Association, the patent committee of the Pharmaceutical Research and Manufacturers of America (PhRMA), and the Intellectual Property Law Section of the State Bar of Michigan. He currently serves as chair of the Intellectual Property Law Section of the American Bar Association (ABA IPL Section).

He has served as an adjunct professor of law at George Washington University, a member of the board of directors of Human Genome Sciences, Inc., and president of the board of directors of the Hospice of Southwest Michigan, Inc.

He has also served as a member of the board of directors of both Intellectual Property Owners (IPO) and the National Inventors Hall of Fame Foundation (NIHFF). Mr. Armitage currently serves as a member of the U.S. Department of State's Advisory Committee on International Economic Policy and is a trustee on the Albion College Board of Trustees, which recognized him with its Distinguished Alumnus Award in 2006.

In 2004, AIPLA awarded Mr. Armitage its highest recognition for lifetime achievement in intellectual property, the AIPLA Excellence Award. In 2008, the New Jersey Intellectual Property Law Association awarded him its Jefferson Medal, an award recognizing exceptional contributions to the field of intellectual property. More recently, he was inducted into the IP Hall of Fame in recognition of his decades-long advocacy of legislation to modernize the U.S. patent system. Mr. Armitage played a major role in successful efforts to enact the America Invents Act, which made the most sweeping changes to U.S. patent law in the past 175 years.

Session Descriptions

Samuel H. Aronson

Samuel Aronson earned an A.B. in physics from Columbia University in 1964, and a Ph.D. in physics from Princeton University in 1968. From 1968 to 1977, he held research and academic positions at the University of Chicago's Enrico Fermi Institute for Nuclear Studies and the University of Wisconsin. His research career has focused on experimental elementary particle physics and nuclear physics.

Mr. Aronson joined Brookhaven National Laboratory in 1978. He was appointed deputy chair of the Physics Department in 1988. In 1991, he relinquished this position and, as a senior physicist, served as the director of the PHENIX detector project during construction of the Relativistic Heavy Ion Collider, before becoming chair of Physics in 2001. He became Associate Laboratory Director for Nuclear and Particle Physics in 2005 and Laboratory Director and President of Brookhaven Science Associates in 2006. Mr. Aronson is a Fellow of the American Physical Society and the American Association for the Advancement of Science. He is a member and past chair of the DOE National Laboratory Directors Council and served as a member of the Council's Executive Committee. He served as a member of the Governor's Industry-Higher Education Task Force and on national review boards in Canada, Sweden and Germany. Mr. Aronson currently serves as a board member on the Stony Brook Foundation, the Long Island Association, Accelerate Long Island, the New York State Smart Grid Consortium, the Stony Brook University Advanced Energy Research and Technology Center, the Long Island High Technology Incubator, the Clean Energy Business Incubator Program, and the Governor's Regional Economic Development Council for Long Island. In 2012 he was inducted into the Long Island Technology Hall of Fame and was named Laboratory Director of the Year by the Federal Laboratory Consortium for Technology Transfer.

Douglas L. Bowers

Douglas L. Bowers is Director of the Propulsion Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio. He directs the Air Force's science and technology program in propulsion and power for space, missile and aircraft applications. He is responsible for $3 billion in propulsion and power research facilities at Wright-Patterson AFB, and Edwards AFB, California, and leads a workforce of more than 1,000, executing a $400 million annual budget.

Mr. Bowers has served in a variety of senior technical positions with the Air Force, leading the development and fielding of advanced highly survivable engine inlets and exhaust nozzles. He has been a technical consultant for the

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C-17 Globemaster III, F-15E Eagle, F-16 Fighting Falcon and B-1 Lancer development programs. He also served as a member and U.S. national coordinator for the NATO Advisory Group for Aerospace Research and Development fluid dynamics panel.

As the sole Air Force staff member for the Commission on the Future of the U.S. Aerospace Industry, Mr. Bowers led, in conjunction with the commissioners, the development of recommendations for aerospace industry health and national security for consideration by the President and Congress. Previously, he served as Associate Director for Air Platforms, responsible for turbine engines, power, hypersonics, fixed wing and rotary wing technology. He also served as the Air Force executive assigned to the AF SAB Summer Study on Thermal Management.

Dr. Richard Brenner

Dr. Rick Brenner has been the Assistant Administrator in ARS for Technology Transfer since October 2004. In this capacity, he represents the Secretary of Agriculture on issues pertaining to management of intellectual property arising from USDA research, and has the delegated authority for licensing inventions developed through intramural research in any of the USDA agencies. Prior to this position, Dr. Brenner served as the Deputy Assistant Administrator for the Office of Technology Transfer (OTT), USDA-ARS, from August 2001, where he managed much of the daily operations on CRADAs, patents, and licensing. From 1984, Dr. Brenner served as a Research Entomologist and later as a Research Leader for ARS in Gainesville, Florida, following a 2-year research assignment in Chiapas, Mexico. Career awards include Outstanding Senior Scientist, USDA Award for Superior Service, ARS Technology Transfer Awards, the 2010 FLC Outstanding Technology Transfer Professional Award, an FLC Technology Transfer Award, and the "Pollution Prevention Project of the Year," award in 1999 under the Strategic Environmental Research and Development Program, jointly awarded by the Department of Defense, Department of Energy, and the EPA.

Dr. Brenner is a member of LES and AUTM, the Agency Representative to the Federal Laboratory Consortium for USDA, and the Interagency Working Group for Technology Transfer convened monthly by the Department of Commerce Office of Technology Policy. He has a Ph.D. in medical entomology from Cornell University, and 2 degrees from the University of Illinois.

Deborah E. Cummings

Ms. Deborah Cummings is a Senior Program Manager in Battelle's Technology Partnership Practice. Ms. Cummings has almost 20 years of

experience in state and regional technology-based economic development, both as a consultant and government official. Her business career has encompassed both the private and public sectors, and has been comprised of strategic planning activities, cluster development, economic impact analyses, program assessments, best practice methodology, and science and technology policy. In her efforts for the State of Ohio, Ms. Cummings originally helped conceive of Ohio's Third Frontier initiative, a widely acclaimed $2.2 billion economic development investment, as a consultant to the State, and then had the responsibility for implementing, evolving and renewing that strategy as Assistant Director at the Ohio Department of Development. Ms. Cummings earned her MBA from The Ohio State University and her Bachelor of Business Administration and Bachelor of Arts in Political Science from Ohio University.

Barry Datlof

Mr. Datlof is a licensing officer for the U.S. Army Medical Research and Materiel Command. He has commercialized biomedical and IT technologies in the university, nonprofit, for-profit, and government sectors. He cofounded Pregmama, a female fertility company that is developing therapies for women over 35. Mr. Datlof also invented BirchBob, the first XML-based worldwide search engine for licensable technologies. Currently, he serves on the board of BioMetrx, a cancer theranostics company. His education includes a B.S. in Biology from Swarthmore College and an M.B.A. from the University of Chicago.

Dr. Karina Edmonds

Dr. Karina Edmonds was appointed Technology Transfer Coordinator for the U.S. Department of Energy (DOE) in April 2010 by Secretary of Energy Dr. Steven Chu. Created by the Energy Policy Board Act of 2005, this is the first time that the Department has appointed a full-time person to fill this role. Dr. Edmonds is responsible for working with the Department's National Laboratories to accelerate the process of moving discoveries from the laboratory to the private sector, ensuring that America's scientific leadership translate into new, high-paying jobs for America's families.

In a statement, Secretary Chu said, "I am pleased to have Karina join our team at the Department of Energy. Having Karina oversee a coordinated, strategic effort on behalf of the Department will help increase the rate of successful technology transfers, creating clean energy jobs and providing more solutions to our energy challenges."

Dr. Edmonds joined the DOE after working at the Jet Propulsion Laboratory (JPL) at California Institute of Technology where she served as Director of JPL Technology Transfer. While at JPL, Dr. Edmonds also held positions in the Strategic Intellectual Assets Management

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Office as Senior Technology Transfer Specialist and in the Strategic University Research Partnership Office as Manager before finally becoming the Director of JPL Technology Transfer. In that position, her job duties included licensing technologies developed at both JPL and Caltech to industry and start-ups, managing the JPL patent portfolio, assisting Caltech start-ups, and managing prosecution of Caltech's patent filings. Dr. Edmonds is a registered patent agent with the U.S. Patent and Trademark Office.

Prior to her work at JPL, she worked as Principal Investigator at TRW, Inc. for internal research and development efforts. During her tenure there, she co-authored two patent applications in the area of noise reduction for the automotive environment.

Dr. Edmonds received a bachelor's degree in mechanical engineering from the University of Rhode Island. She holds master's and doctorate degrees in aeronautics with a minor in material science from the California Institute of Technology in Pasadena, California.

John Fargo

John Fargo is a 1972 graduate of the State University of New York at Buffalo, where he received a B.S. in Industrial Engineering cum laude, and was inducted into the Tau Beta Pi Engineering Honor Fraternity. After graduating, he attended law school at the State University of New York at Buffalo, where he was a member of the Buffalo Law Review and graduated magna cum laude in 1976.

Following graduation, he joined the Department of Justice as a trial attorney with the Civil Division through the prestigious Attorney General's Honors Program. In 1984, he was appointed as an Assistant Director of the Intellectual Property Staff, which is responsible for litigating all civil patent, copyright and trademark cases involving the government, as well as providing advice on intellectual property (IP) matters to various agencies throughout the Executive Branch.

Since January 2004, Mr. Fargo has served as the Director of the Intellectual Property Staff within the Commercial Litigation Branch of the Civil Division, and has been responsible for the management of its current staff of attorneys and support personnel. In his career at the Department of Justice, he has handled a number of notable patent and copyright cases, including Leesona Corp. v. United States, 599 F.2d 958 (Ct. Cl. 1979) (nature of recovery under 28 U.S.C. § 1498); Decca, Ltd. v. United States, 640 F.2d 1156 (Ct. Cl. 1981) (same); UMC Electronics v. United States, 816 F.2d 647 (Fed. Cir. 1987) (on-sale bar); and United States v. Telectronics, Inc., 857 F.2d 778 (Fed. Cir. 1988) (first suit for infringement of a government-owned patent). In addition, he has participated in the drafting of several merits briefs that the Solicitor General filed as an amicus curiae in intellectual property cases before the

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Supreme Court, including KSR, Festo, Dastar, Grokster and Mayo Labs. Mr. Fargo also participated in the formulation of the government's position in its amicus brief before the Federal Circuit, en banc, in Phillips v. AWH Corp., and its brief before the panel in Assoc. for Molecular Pathology v. Myriad Labs.

Mr. Fargo is actively involved in the Department of Justice's Intellectual Property Task Force, and also regularly provides comments on IP legislation, including the America Invents Act, for the Department of Justice. He has also monitored the numerous false patent marking cases that were filed in 2009-2011, including assuring that the government received its share of settlements, which has resulted in payment of over $12 million to the Treasury as of December 2011. He has recently been involved in the defense of the constitutionality of the amendments to the false marking statute made in the AIA.

Janet Gongola

Janet Gongola is the Patent Reform Coordinator at the U.S. Patent and Trademark Office (USPTO). In this capacity, she manages all aspects of the agency's implementation of the America Invents Act. Ms. Gongola has been an Associate Solicitor in the Office of the Solicitor at the USPTO, where she provided legal advice to agency officials and defended decisions of the Board of Patent Appeals and Interferences, and the Trademark Trial and Appeal Board before the U.S. Court of Appeals for the Federal Circuit, as well as district courts across the country.

Before joining the USPTO, Ms. Gongola served as a law clerk for Chief Judge Paul R. Michel at the Federal Circuit and for Chief Judge Sue L. Robinson in the U.S. District Court for the District of Delaware. She previously worked as a patent attorney, patent agent, and research chemist at Eli Lilly and Company in Indianapolis, Indiana.

Ms. Gongola graduated summa cum laude with a J.D. from Indiana University School of Law—Indianapolis, and she received B.S. degrees in Chemistry and Mathematics from Muskingum University. Ms. Gongola is an officer of the Giles S. Rich American Inn of Court. She has served as an adjunct professor at the George Mason University School of Law, and currently teaches at the George Washington University Law School.

Diana Palmer Hoyt

Ms. Hoyt currently serves as the Innovation Manager in the Office of the Chief Technologist, Partnerships, Innovation and Commercial Space, at NASA Headquarters in Washington, D.C. In this capacity, she leads the development of innovation strategies, tools, and tactics to drive space technology

development and commercialization, including the development of nontraditional and strategic partnerships. Her current work includes a focus on the development of regional economic innovation clusters. She has been at NASA since 1991, and has worked in a variety of offices, including the Space Exploration Office (SEI under President George H. W. Bush, working for Mike Griffin, the former NASA Administrator), where she served as the Deputy Director, Policy and Outreach, the Office of Life and Microgravity Sciences and Applications, as Director of Policy and Outreach, the Office of Policy and Plans, the Office of External Relations, and also in the Office of Infrastructure as the Deputy Manager for Infrastructure Transition, as well as the lead for strategic planning and policy.

Prior to joining NASA, she worked for former Secretary of the Department of the Interior Manuel Lujan, Jr., as Deputy Director, Office of Policy Analysis; Special Assistant, Office of Water and Science; and Director, Scheduling and Speechwriting. From 1979-1987 she worked for the U.S. House of Representatives in a variety of positions: Press Secretary and Legislative Assistant for Congressman Daniel K. Akaka (D-HI), Executive Director of the Congressional Space Caucus, and as Committee Staff for the House Science and Technology Committee. While on Capitol Hill, she drafted and engineered passage of HR 3942, the Commercial Space Launch Act, which provided for the commercialization of expendable launch vehicles. The bill became law and continues to be amended yearly. Ms. Hoyt was the founder and first president of Women in Aerospace, and the founder and first chair of the Congressional Staff Space Group. Prior to coming to Washington, D.C., she served as press secretary to Honolulu Mayor Frank F. Fasi, as well as a reporter-broadcaster for KHVH radio in Honolulu.

A Danforth Teaching Fellow at Philips Andover Academy, she taught French at both Andover and the University of Maine in Orono. She holds an M.S. in Science and Technology Studies (Virginia Tech), an M.A. (ABT) in French Literature, and is scheduled to complete her Ph.D. in Science and Technology Studies at Virginia Tech this year. She is fluent in French.

She has received numerous awards from both the Department of the Interior and NASA for outstanding leadership and performance. Her research interests include the philosophy of science and epistemology, with a particular focus on how knowledge claims are made and justified. She and her husband Richard live with 22 wirehaired dachshunds in a rather chaotic household in southern Maryland.

Ian D. McClure

Ian D. McClure is responsible for executing Intellectual Property Exchange International's (IPXI) transactional products, including Unit License Rights™ (ULR™). His work focuses on identifying, evaluating and executing high-value opportuni-

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ties for monetizing intellectual property (IP) through IPXI's ULR™ exchange. He has led the development of IPXI's IP pipeline and inventory growth of high-value IP portfolios from leading corporations, universities and national laboratories for trading over IPXI's exchange. Prior to joining IPXI, Mr. McClure was a corporate and securities and intellectual property law attorney with Wyatt, Tarrant & Combs, LLP, where he focused on IP transactions, specifically in the IP monetization and management space. He has helped execute trademark, copyright, patent, and domain name transactions in various industries, including the merger and acquisition context. Mr. McClure has published extensively on intellectual property monetization in law reviews and industry journals, including Chapman Law Review, Buffalo Intellectual Property Law Journal, Intellectual Asset Management magazine, Intellectual Property magazine, ABA Landslide, The Federal Lawyer, The Corporate Counselor, Business First, The Lane Report, and others. He has also guest lectured on various IP-related topics at the University of Chicago Law School and Chicago-Kent College of Law.

Kathleen H. McDonald

Kathleen H. McDonald has worked at Los Alamos National Laboratory (LANL) in the Technology Transfer Division since 1997. She was assigned to work on strategic planning activities in the LANL Laboratory Director's Office from 2004 through 2006. Early in her career she was an agreements specialist, moved into commercial licensing and, in 2006, became a project leader for intellectual property management. In 2008, she assumed the role of team leader for software licensing and has expanded her team's portfolio to include space technologies, cyber security technologies and all software deployed commercially outside of LANL. She has served as Recording Secretary for the Federal Laboratory Consortium's Executive Board since 2008.

Darin D. Oelkers, CLP

Darin Oelkers is a Senior Technology Manager for TechLink, a Department of Defense (DOD) technology transfer partnership intermediary. Since joining TechLink in 2004, he has facilitated a variety of patent license agreements and CRADAs for technologies as diverse as bio-based composite resins, pharmaceuticals, environmental remediation, rebreather diving, and camping equipment. He has conducted technology transfer efforts in cooperation with the DOD, NASA, USDA-ARS, the U.K. Ministry of Defence, U.K. Veterinary Laboratories Agency, and Drexel University. He has successfully facilitated patent license agreements with companies ranging from startups and universi-

ties to major multinational pharma corporations.

Prior to joining TechLink, Mr. Oelkers gained extensive marketing and market development experience in the agricultural technology industry. This experience included providing strategic marketing and management for two Montana consulting firms, serving as an information technology specialist for a Colorado precision agriculture firm, and a position as a market development manager for a subsidiary of ConAgra Foods, a Fortune 500 company. He has a B.S. in international agricultural marketing from Montana State University, and was a National Security Education Program (NSEP) Boren Scholar at St. Petersburg State Technical University in Russia. Mr. Oelkers is a member of the Licensing Executives Society (LES), a Certified Licensing Professional (CLP), and a Distinguished Toastmaster (DTM).

Mark L. Rohrbaugh

Mark L. Rohrbaugh, Ph.D., J.D., is the Director, Office of Technology Transfer (OTT), National Institutes of Health (NIH), Department of Health and Human Services (HHS). OTT manages the patenting and commercial licensing of NIH and FDA intramural inventions, and serves as the lead office within HHS for the development of technology transfer policy. The OTT portfolio is the largest biomedical patent and license portfolio among public sector institutions. Companies marketing hundreds of products under OTT licenses report annual sales approaching $6 billion.

Mr. Rohrbaugh is Vice-Chair of the Public Health Service Technology Transfer Policy Board and serves on the National Science and Technology Council Technology Committee. He has advised the NIH and HHS on a wide range of intellectual property issues, including stem cell research, pandemic influenza, access to products in developing countries, and gene diagnostic technologies. He has represented HHS at the Organization for Economic Cooperation and Development (OECD) and the World Health Organization (WHO).

He previously served as Director, Office of Technology Development, National Institute of Allergy and Infectious Diseases (NIAID). Prior to joining NIH, Mr. Rohrbaugh conducted molecular and cell biology research in academic and industrial laboratories. He received his Ph.D. in biochemistry from Pennsylvania State University and J.D. from The George Washington University Law School.

Mark Skinner

Mark Skinner is Vice President of the State Science & Technology Institute (SSTI) and has served as Director of the Regional Innovation Acceleration Network (RIAN) project for the past year.

The RIAN initiative is a critical component of the U.S. Economic Development Administration's (EDA) Jobs and Innovation Partnership strategy, the EDA's platform for long-term prosperity. It is intended to strengthen the nation's regions and

advance the Administration's national innovation policy. RIAN plays a connecting role in identifying innovative networks across the country and helping economic development professionals leverage assets and strengths. The RIAN project supports the community of existing and emerging venture development organizations (VDOs) around the country by providing the means for peer-to-peer sharing of information and best/common practices, identifying funding opportunities for VDOs, and providing tools to help regions create their own VDOs.

Working with SSTI since 1998, Mr. Skinner was the long-time editor of SSTI's e-publications, the "SSTI Weekly Digest" and the "Funding Supplement." He has been the principal author or a co-author on numerous publications, including the EDA-funded "A Resource Guide for Technology-based Economic Development."

Mr. Skinner has extensive experience with small technology companies and federal research and development programs, including the Small Business Innovation Research (SBIR) Program and the Small Business Technology Transfer (STTR) Program. He has served on the Committee of Visitors for the National Science Foundation's (NSF) SBIR/STTR Program. He also served as SSTI's project coordinator and principal author for "State and Federal Perspectives on the SBIR Program," drawing on his previous six years establishing and managing Ohio's SBIR Program for the Ohio Department of Development.

He has served as a frequent speaker for state and national organizations and as a contributor to a number of federal programs, including serving on external review panels for the NSF Partnerships for Innovation Program, the Committee of Visitors for the NSF SBIR Program, and as liaison with the FLC's State & Local Government Committee. He also was the principal author and project leader for the NSF's "Survey of State Research and Development Expenditures for 1995," the most extensive effort undertaken to-date to capture information on state R&D activities.

Mr. Skinner received his B.A. in Urban and Regional Planning from Miami University in Ohio.

Belinda Snyder

Belinda Snyder is currently Program Manager of the Development Office within the Technology Transfer Division of Los Alamos National Laboratory (LANL). Since starting at LANL in 1993, she has worked with a broad range of LANL staff and within a wide variety of programs to facilitate technology commercialization. She has spearheaded the creation and implementation of a number of LANL; Los Alamos National Security, LLC; and state-sponsored programs designed to stimulate regional economic development, including LANL's MBA Internship Program, Visiting Entrepreneur Program, and Entrepreneurial Post-Doc Program; the Los Alamos Venture Acceleration

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Initiative; LabStart, a joint venture with Arch Ventures and Verge Fund; and Northern New Mexico Connect. Since 1997, she has successfully mentored 90 future business leaders and worked with over 100 new startup companies in northern New Mexico through these programs. She earned both a B.B.A. in Marketing and an Executive M.B.A from the University of New Mexico. She gained over ten years of sales, marketing, and business development experience in private industry before joining LANL. She is currently chair of the FLC's State and Local Government Committee and former president of Coronado Ventures Forum. She is also a board member of the New Mexico Technology Council, an advisor to the Northern New Mexico Community College Business Curriculum Committee, and a member of the 2010 Leadership New Mexico class. Ms. Snyder has been recognized as a top technology leader, having been named as one of New Mexico Business Weekly's "top 25 techies" and "40 under 40" up-and-coming business leaders in 2003. She was selected as a "Who's Who in Technology" honoree in 2009 and a "Future Leader of New Mexico" by the Santa Fe New Mexican, and received Distinguished Performance Awards from LANL's Director in 1996 and 1998.

Marcus A. Streips

Marcus A. Streips is presently intellectual property counsel for the U.S. Army Medical Research and Materiel Command (USAMRMC), providing legal guidance on a broad range of issues, including data rights, trademarks and patent prosecution, litigation, and licensing matters. Prior to working at Fort Detrick, he was an associate counsel at Notaro and Michalos, PC, a boutique law firm in New York City specializing in intellectual property. He also has served eight years on active duty as an officer in the Judge Advocate General's Corps.
Mr. Streips received a B.S. in Economics from Cornell University, an M.S. in biotechnology from Johns Hopkins University, and a J.D. from Ohio State University. He is licensed to practice law in New York and Ohio, as well as before the United States Patent and Trademark Office.

Ric C. Trotta

Ric C. Trotta has extensive senior level corporate and management consulting experience in business development, strategic planning and technology management. As President and senior consultant at Trotta Associates, he works with government, industry, and academic clients to identify market opportunities, develop business plans and facilitate strategic alliances. Product areas have included: medical devices, advanced transportation, energy, defense systems, security, food safety and consumer products. Clients have included: The Department of Defense, Army, Navy, Air Force, ITT, Ford, Air Products, Siemens, Raytheon and Philips. In addition, he has directed projects to improve regional economic activity, led efforts to expand

commercial industry involvement on defense programs and served as an advisor to Government on R&D policy. Prior to founding Trotta Associates, he was Corporate Director of Development Resources for Grumman Corp., where he reported to the Office of the Chairman of the Board and managed all research and development and proposal resources to develop new business for the company's Aerospace, Electronics, Transportation and Data Systems divisions.

Since 2001, Mr. Trotta has served as the chair of the Federal Laboratory Consortium National Advisory Council where he and a diverse team of executives provide guidance to help commercialize technologies developed in federal laboratories.

He attended the University of Virginia majoring in Electrical Engineering, received a degree in Physics from New York University, an MBA in Marketing from Hofstra University, completed the Program for Executives at Carnegie Mellon University, is included in Who's Who in America and has served on the board of a number of organizations.

Doug Yerkeson

Doug Yerkeson is a patent attorney in the Indianapolis office of Faegre Baker Daniels. He advises a variety of clients, including private industry, government agencies, and research institutions in patent, trademark and copyright matters. He has substantial experience providing patent novelty, validity, non-infringement and freedom-to-use analyses and opinions. He also represents clients in preparing and prosecuting patent and trademark applications, both domestic and international. Mr. Yerkeson received his B.S. in mechanical engineering and his J.D. from the University of Cincinnati. Before attending law school, he was chief test engineer for a defense contractor in Cincinnati during the development of a major weapons system, including safety and arming devices for missiles.

Paul Zielinski

Paul Zielinski is the Director of the Technology Partnerships Office (TPO) at the National Institute of Standards and Technology (NIST). The TPO serves as the Office of Technology and Research Applications for NIST, and is responsible for NIST technology transfer activities, including patents, licenses, cooperative research, and small business innovation research. In addition, he coordinates the Interagency Workgroup on Technology Transfer and serves as the "host agency" representative on the Federal Laboratory Consortium's Executive Board. Prior to joining NIST, Mr. Zielinski worked at the Environmental Protection Agency, the Department of Energy, private industry, and served on active duty as a commissioned officer in the United States Army. He has a master's degree in engineering and a bachelor's degree in biology.

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SESSION DESCRIPTION TAB - THURSDAY

Session Descriptions

Thursday, May 3, 2012

Working With Federal Labs: Perspectives From the IRI's External Technology Network

8:00 - 9:30 a.m.
Grand Station 1 & 2

This session will feature a panel of representatives from member companies of the Industrial Research Institute's (IRI) External Technology Network (ETN). A brief overview of ETN's activities will be presented, and the panelists will describe their experiences, both positive and negative, working with federal laboratories. They also will share their ideas for improving interactions between industry and the federal labs.

Moderator: ***Joe Fox,*** *Director of Emerging and External Technologies, Ashland Inc.*

- ***Gretchen Baier,*** *Associate R&D Director, External Technology, The Dow Chemical Company*
- ***Rod Bailey, Ph. D.****, Manager, External Research, Michelin Americas*
- ***Tom Mildenhall, Ph.D.****, Senior Technology Scout, Kimberly-Clark*
- ***Mike Schwenk,*** *Director, Technology Deployment & Outreach, Battelle Pacific Northwest National Laboratory*
- ***Dr. Thomas V. Congedo,*** *Director of Operations, Westinghouse Electric Company Research & Technology*

Building the Innovation Ecosystem That Connects Universities, Emerging Organizations, and Mature Companies

10:00 - 11:30 a.m.
Grand Station 1 & 2

This session will focus on the development and growth of an ecosystem that surrounds the university as a source of technology, knowledge, and ideas for innovation. The ecosystem consists of the university, startup and emerging companies, investment capital spanning early stage to commercialization to market growth, and larger organizations already in the marketplace whose goal is to innovate. The unifying model for innovation is that of open innovation, whereby the value chain of the organization is unbundled, providing the potential for the corporation to partner and collaborate with research and development organizations (such as universities and national labs) and crowd sourcing for ideas and technologies. Additionally, it is possible to utilize alternate routes to market, such as creating and partnering with early-stage companies or "renting the business model" of others. The session will consist of a set of presentations and moderated discussion consisting of representatives from the university, startup companies, funding groups, and mature corporations. The Pittsburgh region will be highlighted in the panel that has been organized.

Introduction: ***Ric Trotta,*** *President, Trotta Associates, Inc.*

Moderator: ***Arthur A. Boni, Ph. D.,*** *John R. Thorne Chair of Entrepreneurship, and Director, Donald H. Jones Center for Entrepreneurship, Tepper School of Business at Carnegie Mellon University*

Session Descriptions

Speakers:

- ***Bob Woolridge,*** *Director, Center for Technology Transfer and Enterprise Creation (CTTEC)*
- ***Rich Lunak,*** *President and CEO, Innovation Works, Inc.*
- ***John W. Manzetti,*** *CEO, Pittsburgh Life Sciences Greenhouse*
- ***Dr. George W. Coulston,*** *Vice President Innovation Ventures, Kennametal, Inc.*
- ***Andrew W. Hannah,*** *Founder & CEO, Plextronix, Inc.*
- ***Harry Epstein,*** *Vice President of Innovation, HAVI Global Solutions*

Industry Day Keynote: Innovation for a Secure Future

1:00 - 2:00 p.m.
Grand Station 1 & 2

Moderator: ***Dr. Michelle S. Atchison,*** *Advanced Technology Laboratories, Lockheed Martin Corporation*

Speaker: ***Dr. John D. Evans,*** *Corporate Vice President, Business Innovation, Lockheed Martin Corporation*

Industrial R&D Collaboration With the Federal Laboratories—Your $100B Open Innovation Partner

2:15 - 3:30 p.m.
Grand Station 1

Federal laboratories have nearly limitless unique capabilities, facilities and expertise, and are eager to be your open innovation partner. Projects range from alternative energy to antennas and software to sand flies; however, precious few firms tap into this wealth of intellectual capital. Bring a handful of business cards for followup, brace yourself for the possibilities, and make the federal laboratories part of your strategic advantage.

Moderator: ***David McFeeters-Krone,*** *Principal, Intellectual Assets, Corp.*

Speakers:

- ***Dr. Richard Brenner,*** *Assistant Administrator, U.S. Department of Agriculture, Agricultural Research Service*
- ***Mojdeh Bahar,*** *Chief, Cancer Branch at the Office of Technology Transfer, NIH*

Leveraging External Innovation Resources: Achieving More With Less Under Budget Pressures

2:15 - 3:30 p.m.
Grand Station 3-5

With federal budget pressures making the headlines in Washington, most federal labs and agencies are faced with flat or declining budgets, including those for technology transfer functions. At the same time, the nation's focus is on job creation through innovation and driving technologies from research organizations into industry faster. Achieving high performance in technology transfer increasingly requires partnerships that leverage external resources to bridge from the lab to market. Federal lab researchers, like their university counterparts, frequently invent what can be considered "raw technology," but they usually need market insight to define "products" that use this technology to meet real market needs. This session will present innovative approaches to

bridging this gap from invented technology to innovative product—leveraging external innovator networks (open innovation) and entrepreneurial networks/programs.

Moderator: ***Dan Winfield,*** *Senior Director, RTI International*

Speakers*:*

- ***Kirsten Rieth****, Innovation Manager, RTI International*
- ***Rich Lunak,*** *President and CEO, Innovation Works, Inc.*
- ***Matt Spangard,*** *CTO & Founding Partner, Edison Nation, Enventys, Everyday Edisons & Inventors Digest*

Industry Day Special Session: TechComm Beta Labs Presentation

4:00 - 5:15 p.m.
Grand Station 1

Hear directly from two of TechComm's Beta Labs regarding their development of a new model for federal technology transfer to industry.

Moderator: ***Wes Jurey,*** *Chairman of the Board and CEO, Center for Innovation*

Speakers:

- ***Dr. Dipl. Ing. Svetlana Dimovski,*** *Manager, Open Innovation and Science Relations BASF North America*
- ***Peter N. Wilson,*** *EFO Holdings, L.P.*
- ***Charles T. Johnson-Bey, Ph.D.,*** *Corporate Open Innovation Program Manager, Business Innovation, Corporate Engineering & Technology, Lockheed Martin Corporation*

Two Heads are Better Than One – Tech Transfer and Economic Development Team for Commercialization

4:00 - 5:15 p.m.
Grand Station 3-5

The technology transfer office (TTO) at a national laboratory often has a commercialization component structured to move new technologies into the marketplace so that others can benefit from the federal investment in research. The economic development office (EDO) is structured to help technology-based businesses start, grow, or revitalize. Attendees at this session will learn how to tap into the common ground shared by both groups to successfully deploy and commercialize technology for economic growth. A panel of TTO and EDO professionals representing several federal laboratories will discuss successful collaborations between the two groups; how to improve interaction; and how they effectively team to identify potential technology licensees, and successfully transfer intellectual property for commercialization and, ultimately, taxpayer benefit. Specific examples will show how the two offices collaborate to successfully accomplish their respective department missions and the overall laboratory mission. Attend this session to learn how by working together, TTO and EDO functions can be stronger, accomplish more, and have a greater impact on society than if each were working individually to accomplish their specific goals.

Session Descriptions

Moderator: ***Bruce Harrer,*** *Commercialization Manager, Pacific Northwest National Laboratory*

Speakers:

- ***Dr. Richard Brenner,*** *Assistant Administrator, U.S. Department of Agriculture, Agricultural Research Service*
- ***Paul J. Corson,*** *Deputy Director, Office of Innovation and Entrepreneurship, Economic Development Administration, U.S. Department of Commerce*
- ***Richard Adams,*** *Manager, National Renewable Energy Laboratory, Innovation and Entrepreneurship Center*

Speaker Bios

Richard Adams

Richard Adams is Manager of the Innovation and Entrepreneurship Center (IEC) at the National Renewable Energy Laboratory (NREL), where he oversees the teams accountable for the Engineered Innovation Initiative, the Industry Growth Forum, the Venture Capital Advisory Board, Investor Networking Initiatives, Regional and National Incubator Programs, and the NREL Commercialization Assistance Program. He also coordinates IEC's work with the Mentor-Protégé program, the Small Business Subcontracting Program, and the development of the Center for Renewable Energy and Economic Development (CREED).

Mr. Adams has more than 20 years of international experience with small, medium and large corporations across a broad range of industry sectors. He is recognized as a strategic thinker, skilled operational leader, and outstanding communicator who is able to influence all levels of an organization, and as a proven driver of organizational performance. He is the author of "Results Ladder," a model for successful strategic planning and execution.

Prior to joining NREL, Mr. Adams was the CEO/President of Warralong Group, a management consulting firm focused on organizational performance with a specific emphasis on how to grow successfully. Warralong's services included strategic planning and execution, growth strategies, executive talent selection, executive coaching, capital raising and operational efficiency.

Mr. Adams' background also includes executive positions with Novations Group, a leading training and organizational development company. Before moving to the United States, he lived and worked in Australia, where he founded and ran Arts Capital, an investment bank. Prior to this, he held a variety of senior positions in financial services institutions, including Rothschild and Westpac Banking Corporation. He also served as a Director and shareholder for Virtuosity, a sales training consultancy.

Mr. Adams is a graduate of the University of New England (Australia), with a Bachelor of Agricultural Economics; and he holds a Graduate Diploma of Business from the Phillip Institute of Technology (Australia).

Dr. Michelle S. Atchison

Dr. Michelle Atchison leads Disruptive Strategies for the Lockheed Martin Advanced Technology Laboratories.

She has served in a number of leadership roles and S&T efforts focused on collaboration with government agencies for Corporate Engineering and Technology and Washington Operations. In this dual role, she was responsible for the corporate efforts, including Cooperative Research and Development Agreements (CRADAS), Joint Capability Technology Demonstration (JCTD) processes, and other accelerated technology transitions. She has served as the lead for the corporate Technical Investment Program (LMTIP); the developer and lead for the CET Research Portal to support the inte-

gration and coordination of internal R&D efforts across major corporate business areas; and the Chief Scientist for the Lockheed Martin Center for Innovation, the corporation's premier experimentation and modeling simulation.

Before joining Lockheed Martin, Dr. Atchison served 27 years active duty in a variety of military command and operational positions, including Chief, Science and Technology (S&T) Division, JFCOM Experimentation; Chief Scientist for Air Force Experimentation; and Science Advisor for the Air Force Intelligence, Surveillance and Reconnaissance Center at Langley AFB. In these positions she was responsible for the development, planning and assessment to integrate science and technology into major Experimentation activities. She established and managed multi-service teams to support the development of strategic and industrial plans to identify technology efforts among the services, DOD, government agencies and commercial efforts. Dr. Atchison currently serves as an advisor for the FLC and several universities. She received her bachelor's degree from UCLA, master's from Catholic University, and doctorate from George Washington University.

Mojdeh Bahar

Mojdeh Bahar is Chief of the Cancer Branch at the Office of Technology Transfer (OTT), National Institutes of Health (NIH), where she leads a team responsible for patenting and licensing NIH and FDA inventions in the areas of cancer, gene therapy, and biological response modifiers. She joined the TTO in January 2004; prior to then, she served as an Examiner with the U.S. Patent and Trademark Office (USPTO).

Ms. Bahar is currently the Chair of the Federal Laboratory Consortium for Technology Transfer (FLC). She has spoken to many groups about technology transfer and built alliances with other organizations to advance federal technology transfer. She created and moderated a webinar series entitled "Demystifying Working With Federal Labs," which led to the development of a training course for the transition of Washington-area scientists into the business world, and serves an annual employment-oriented conference for post-docs in the Washington, D.C. area.

Ms. Bahar has spoken nationally and internationally on a wide spectrum of topics ranging from restriction practice, double patenting, and claim drafting to technology transfer and commercialization, business development, and licensing. She is the recipient of an NIH Director's Award, Mentorship Award, three Merit Awards, NCI Federal Technology Transfer Awards, an FLC S.T.E.M Award, two Awards for Excellence in Technology Transfer, a State and Local Economic Development Award, and an FAES NIH Team Teaching Award.

She is a patent attorney registered to practice before the USPTO, the State of Maryland, the United States District Court for the District of Maryland, and the

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United States Court of Appeals for Federal Circuit. She is a Certified Licensing Professional (CLP). Ms. Bahar graduated from the University of Maryland School of Law, where she was co-founder and editor of Margins: Maryland's Law Journal on Race, Religion, Gender, and Class. She completed the Health Law Program, was a member of the Moot Court Board and the Phi Delta Phi International Legal Honors Fraternity, and the recipient of the William P. Cunningham Award for exceptional achievement and service. She received an M.A. from New York University and a B.S. with Honors in Chemistry and French from Dickinson College.

Gretchen Baier

After graduating from MIT, Ms. Baier worked as a process engineer for Dow Corning Corporation and then Shell Oil Company. She subsequently attended the University of Wisconsin-Madison, where she obtained her Ph.D. in chemical engineering, specifically fluid mechanics and transport phenomena, under the guidance of Professor Edwin Lightfoot and Michael Graham. After completing her doctorate, she joined the Dow/Union Carbide Separations and Process Fundamentals Group in South Charleston, W.V. In 2005, she moved to Midland, Mich., and where she assumed a technology scouting role with the Options Development group in Dow's Ventures organization. In 2009, she transferred into her current role in External Technology, where she coordinates Dow's external research with universities, national laboratories, and government agencies.

Arthur A. Boni, Ph. D.

Arthur A. Boni, Ph. D. has been the John R. Thorne Chair of Entrepreneurship at the Tepper School of Business at Carnegie Mellon University since 2003. He is the Director of the Donald H. Jones Center for Entrepreneurship. He teaches undergraduates, MBAs and executives in emerging companies. His teaching and research interests include entrepreneurship, commercializing technology and biotechnology, innovation, venture capital financing, and leadership. At CMU he has worked with and coached both undergrad and MBA teams that have won major international new venture competitions and gone on to launch their companies. Under his leadership the Jones Center was recognized by the Global Consortium of Entrepreneurship Centers for its outstanding contributions to Enterprise Creation. Also the Jones Center was selected in a competitive process to lead development and implementation of an Agile Innovation System for enterprise creation at CMU that is scalable to other regions.

Dr. Boni has spent most of his career as an entrepreneur in technology and life science companies in San Diego,

Speaker Bios

CA and Boston, MA. His entrepreneurial career started with Science Applications International Corporation (SAIC). He joined the company after its startup period and became part of the senior management team that built the company to the $600 million level, exiting as a Senior Vice President. SAIC has grown to an approximately $11 billion annual revenue technology conglomerate, was the country's largest employee owned technology company, and then successfully completed an IPO in October, 2006. He then founded and served as CEO of a technology incubator in the greater Boston area, and led the formation, development stages, and financing of four companies that focused on minimally invasive medical devices, life science software, pharmaceutical therapeutic development, and electro-optic process monitoring and control.

Dr. Boni also founded and managed the Office of Technology Management at the University of Pittsburgh where he managed the commercialization of technologies for the university and its medical school including IP, licensing and company formation. Dr. Boni was also a founding partner of Saturn Life Science Partners LLC, a venture capital organization.

Dr. Boni's educational background includes a BS from Carnegie Mellon University (Mechanical Engineering), MS from the University of Southern California (Mechanical Engineering), and a Ph. D. from the University of California, San Diego (Engineering Science/Engineering Physics). He served as an Assistant Professor in the Department of Engineering and Applied Science at Yale University and has over 80 open literature publications.

Dr. Richard Brenner

Dr. Rick Brenner has been the Assistant Administrator in ARS for Technology Transfer since October 2004. In this capacity, he represents the Secretary of Agriculture on issues pertaining to management of intellectual property arising from USDA research, and has the delegated authority for licensing inventions developed through intramural research in any of the USDA agencies. Prior to this position, Dr. Brenner served as the Deputy Assistant Administrator for the Office of Technology Transfer (OTT), USDA-ARS, from August 2001, where he managed much of the daily operations on CRADAs, patents, and licensing. From 1984, Dr. Brenner served as a Research Entomologist and later as a Research Leader for ARS in Gainesville, Florida, following a 2-year research assignment in Chiapas, Mexico. Career awards include Outstanding Senior Scientist, USDA Award for Superior Service, ARS Technology Transfer Awards, the 2010 FLC Outstanding Technology Transfer Professional Award, an FLC Technology Transfer Award, and the "Pollution Prevention Project of the Year," award in 1999 under the Strategic Environmental Research and Development Program, jointly awarded by the Department of

Speaker Bios

Defense, Department of Energy, and the EPA.
Dr. Brenner is a member of LES and AUTM, the Agency Representative to the Federal Laboratory Consortium for USDA, and the Interagency Working Group for Technology Transfer convened monthly by the Department of Commerce Office of Technology Policy. He has a Ph.D. in medical entomology from Cornell University, and 2 degrees from the University of Illinois.

Dr. Thomas V. Congedo

As Director of Westinghouse Research & Technology Operations, Dr. Thomas Congedo oversees activities of current and future importance to Westinghouse businesses, as well as the global nuclear energy industry. His team includes some of the world's top nuclear and energy experts/researchers, with access to global networks of other scientists, experts and research facilities.
Dr. Congedo, a Westinghouse Fellow Engineer, has held technical and management roles at Westinghouse in the areas of nuclear core and safety analysis, radiation transport analysis, and nuclear experimentation. He is a Westinghouse Customer 1st Green Belt, including Six Sigma and Lean. He has also taught Nuclear Reactor Safety at Carnegie Mellon University and TRIZ, a method of inventive problem solving, to the Westinghouse community.
Dr. Congedo holds B.S. and M.S. degrees in Physics from the Polytechnic Institute of Brooklyn, and a Ph.D. in Physics from the University of Pittsburgh. He is an active member of the American Nuclear Society. His personal interests include martial arts and music.

Paul J. Corson

Paul J. Corson is the acting director of the U.S. Department of Commerce's Office of Innovation and Entrepreneurship, where he promotes policies and programs to support high-growth entrepreneurship, the acceleration of technology commercialization, and the development of regional innovation ecosystems. Among his responsibilities, Mr. Corson manages the National Advisory Council on Innovation and Entrepreneurship, runs the i6 competitive grants competitions, developed the Taskforce on Space Industry Work Force and Economic Development report to the President, and led departmental efforts to co-host the Presidential Summit on Entrepreneurship.
Prior to joining the Department, Mr. Corson held senior management positions for entrepreneurial firms and startups in the United States, the Caucasus, and Central Asia. He holds an M.A. in International Relations from The George Washington University and a B.A. in Political Economies from Franklin and Marshall College.

Dr. George Coulston

Dr. George Coulston has responsibility at Kennametal for the development and

commercialization of innovative new offerings for a diverse range of markets. He is an accomplished executive with demonstrated success creating and directing business, market, product and technology development initiatives in a number of different industries. Prior to joining Kennametal, Dr. Coulston worked for DuPont, where he led R&D, manufacturing and market development organizations.

Dr. John D. Evans

A global business leader focused on growth and innovation, Dr. John D. Evans serves as Corporate Vice President, Technology and Innovation for Lockheed Martin Corporation. In this role, Dr. Evans integrates business, strategic, and technical perspectives to identify new opportunities and then define and lead growth initiatives. This approach is central to the framing of new corporate initiatives, both in Lockheed Martin's core business as well as in adjacent markets such as social media analytics, autonomous systems, cyber security, and health care. As the corporation's technical ambassador, Dr. Evans develops and enhances relationships with governments, universities, and businesses globally to promote sales, ensure access to technology, and meet industrial participation commitments.

Before joining Lockheed Martin, Dr. Evans served as Program Manager for the Defense Advanced Research Projects Agency (DARPA), leading initiatives in the fields of space, communications, micro-technology, and nuclear energy. He has held positions as Chief Technical Officer for Microfabrica, a West Coast venture-funded startup; lead MEMS scientist for Becton Dickinson; and energy consultant for the U.S. Congress' Office of Technology Assessment (OTA).

Born in Minneapolis, Dr. Evans earned a B.A. in physics from Carleton College; an M.S. in civil engineering and a Ph.D. in mechanical engineering from the University of California, Berkeley; and an M.B.A. from Duke University. He serves on the board of Lockheed Martin KSA in Saudi Arabia, the National Science Foundation Business Expert Panel, the governing board of the University of Maryland–Lockheed Martin strategic partnership, and the External Advisory Board for the University of California Berkeley, Department of Mechanical Engineering. He served as host and sponsor for the 2009 and 2010 USA Science and Engineering Festivals.

Dr. Evans is a member of Sigma Xi, the American Society for Mechanical Engineering (ASME), and a senior member of the Institute for Electrical and Electronics Engineers (IEEE). Recognitions include the Office of Secretary of Defense Medal for Exceptional Public Service (2008); the DARPA Innovation Award (2007); the Charles Lofgren Carleton College Alumni Business Fellowship (2000); and the Becton Dickinson Impact (2000) and Special Achievement Recognition (1999) Awards. He has been awarded ten U.S. patents.

Speaker Bios

Joe Fox

Joe Fox is the Director of Emerging and External Technologies for Ashland Inc., a global diversified Fortune 500 specialty chemical company. He has been with Ashland for seventeen years and has served in his current role for four years.

Mr. Fox has held both technical and managerial roles during his career at Ashland. He has led research efforts on polymer matrix composites, novel structural adhesives, nanomaterials, and new binder and coating materials. He is a Design for Six Sigma Black Belt.

In his current role, Mr. Fox is responsible for a portfolio of growth and platform projects in support of Ashland's Performance Materials Division, a leading supplier of thermosetting resins for composite and adhesive applications. He leads the efforts in Performance Materials to develop bioproducts that use renewable resources in place of petroleum-based raw materials.

Mr. Fox is the focal point for Performance Materials' open innovation initiatives and for identifying technology at other companies, universities and federal laboratories that can impact Ashland. He also helps identify potential white space opportunities and conducts technical assessments of opportunities that represent significant growth potential for Ashland.

He has been a co-chair of the Industrial Research Institute's External Technology Network and represents Ashland on the Ohio Polymer Strategy Council. Prior to joining Ashland, he worked for thirteen years for BP America, where he was involved in catalyst and ceramics research. Mr. Fox received his B.S. in chemistry from Lehigh University and his Ph.D. in organometallic chemistry from Penn State. He and his wife Susan live in Dublin, Ohio, and have four children and one grandchild.

Andrew W. Hannah

Andrew Hannah is the President, CEO and co-founder of Plextronics, and an Adjunct Professor of Entrepreneurship at Carnegie Mellon University.

During his career, Mr. Hannah has been a leader at several entrepreneurial companies, including Pittsburgh-based Internet Venture Works, Inc. (IVW), a venture operating company focused on assisting large organizations with commercializing their intellectual property through new venture creation, where he was a Senior Managing Director/CFO from 2000 until 2002.

Prior to that, he was the CFO of STORM, LLC, a Pittsburgh-based technology company. Before STORM, he was the CFO of Boston-based ISI Emerging Markets (ISI), a global, online publisher of emerging markets business information.

Early in his career, Mr. Hannah spent seven years with Deloitte & Touche, LLP, where he worked with technology and middle-market manufacturing organizations. He holds an M.B.A. from the University of Pittsburgh's Joseph M. Katz

Speaker Bios

School of Business, with an emphasis in marketing and finance, and he received his B.S. in Accounting from Penn State in 1987.

Mr. Hannah currently serves as Vice Chairman of the Organic Electronics Association, sits on the Board of Directors of the Pennsylvania NanoMaterials Commercialization Center, and is a member of the Executive Steering Committee of Pittsburgh's Tech-based Economic Development Strategy. He is also a charter member of TiE (Pittsburgh Chapter), a global organization that focuses on fostering entrepreneurship and innovation.

Bruce Harrer

Bruce Harrer manages and commercializes intellectual property (IP) at Pacific Northwest National Laboratory (PNNL), primarily in analytical instrumentation such as mass spectroscopy and in selected thin-film materials technologies.

Among Mr. Harrer's significant accomplishments in IP commercialization is the successful deal with Thermo-Fisher Scientific for a license of technology to improve the detection capabilities of elemental mass spectrometer systems. He has managed strategic licenses with many large and small companies ranging from Agilent Technologies (mass spectrometry) to Vitex Systems (thin-film deposition). He continues to develop next-generation analytical instrument technologies through maturation funding programs such as PNNL's Use at Facility Funds.

With the Laboratory since 1979, Mr. Harrer has managed the development and execution of public/private partnerships through licensing and agreement strategies and negotiating cooperative research & development agreements. From 1992 through 2000, he managed a Department of Energy (DOE)-funded program directed at conducting public/private partnership projects to move DOE laboratory technology from research to demonstration of commercial feasibility. In 1996, he took on added responsibilities for managing and commercializing intellectual property arising from PNNL's Fundamental Science Division. In 2010, he directed a study aimed at analyzing the cycle times required for executing agreements between DOE laboratories and private-sector partners, and identifying ways to streamline these processes so that cycle times could be reduced.

Mr. Harrer has a B.S. from Washington State University, an M.S. from Purdue University, and an M.B.A. from the University of Washington. He was the first Battelle employee to earn the Certified Licensing Professional (CLP) credential from the Licensing Executives Society in 2008. The certification added him to a growing group of intellectual property professionals who have demonstrated they are dedicated to higher standards of practice in the licensing industry. Mr. Harrer has also won several awards as a Battelle Key Contributor, and was named

on seven Federal Laboratory Consortium Awards for Excellence in Technology Transfer.

Wes Jurey

Wes Jurey was appointed President and CEO of the Arlington (Texas) Chamber of Commerce on October 1, 2001. Recognized nationally as a leader in the "Innovation Economy." In 2002 he established the Center for Innovation as a catalyst for technology-based economic development, premised on the belief that our future economic sustainability is dependent on our ability to foster collaboration among and between our nation's federal labs, research-oriented universities, technology-focused economic development entities, and the venture capital industry.

The Center's support of the University of Texas at Arlington has enabled its emergence as a nationally recognized research institution. In the past six years, externally funded research has grown from $23 to $75 million annually; invention disclosures from 2 to 70 annually, with 11 companies created; and over $266 million secured to expand research facilities, attracting more than 140 new research-oriented faculty.

In 2010, the Center launched TechComm, a new Federal Partner Intermediary focused on building an interagency model for federal technology transfer, utilizing a network of affiliate partner corporations, universities, economic development organizations, and venture funds throughout the U.S.

In order to achieve TechComm's objectives, the Center is bringing together its agreements to serve as partner intermediary to the U.S. Departments of Defense, Agriculture, and Homeland Security; National Institutes of Health; National Institute of Standards and Technology; and the National Oceanic and Atmospheric Administration to serve the technology transfer goals of all participating agencies.

Mr. Jurey previously served as President and CEO of the Greater El Paso Chamber of Commerce from 1990-2001, where he launched the Paso del Norte Technology Initiative, focused on developing the resources necessary to support the emergence of technology-related jobs and industries in the West Texas region. This included establishment of the Paso del Norte Angel Investor Network, which currently boasts more than 100 member/investors.

He earned his B.A. in Education from Phillips University in Enid, Oklahoma, in 1972; is a graduate and former faculty member of the Boy Scouts of America's National Executive Institute; and a Certified Fundraising Practitioner.

Selected in 2009 as a Ford Foundation Fellow, Mr. Jurey serves on the Advisory Boards of the Schools of Business and Engineering at the University of Texas at Arlington; the U.S. Department of Labor Advisory Committee on Apprenticeship; as Chair of the Strategic Planning Committee for the North Texas Regional Center for Innovation and Commercial-

ization; and was appointed Chairman of the Texas Workforce Investment Council by the governor in 2009.
He was one of 25 commissioners appointed by the Business Roundtable to serve on the Springboard Project, which provided recommendations to the Obama Administration, and in 2010 was appointed to the Council on Competitiveness' Workforce Advisory Group.

Rich Lunak

Rich Lunak has distinguished himself as a successful entrepreneur, corporate executive, investor, and technology-based economic development leader. He is President and CEO of Innovation Works, one of the nation's most active early-stage investors. Mr. Lunak leads Innovation Works' efforts to provide business expertise, seed capital, and other critical resources to high-potential, technology startup companies in Pittsburgh. Since 2000, Innovation Works has invested in more than 150 technology startups that have gone on to raise more than $1 billion in follow-on investment. From 2008-2010, more than 70% of the Pittsburgh region's venture capital investments went to companies that had previously received Innovation Works' seed capital, and the Pittsburgh region was recognized by the National Venture Capital Association for being the second fastest growing venture capital market in the country in 2009.
Under Mr. Lunak's leadership, Innovation Works has been awarded top honors for its programs supporting innovation and entrepreneurship by the U.S. Economic Development Administration, State Science and Technology Institute, and International Economic Development Administration. Prior to joining Innovation Works in 2005, he was a successful technology entrepreneur/inventor who built one of the most successful and enduring Pittsburgh-based startups over the last two decades. Mr. Lunak helped to grow a healthcare robotics company from a three-person startup to an acquisition by McKesson Corporation, the nation's 16th largest company. He became Group President of McKesson Automation, where he led five autonomous business units that served more than 13,000 customers, generated several hundred million dollars in revenues, and managed more than 1,800 employees with operations in four states.
Mr. Lunak received a B.S. in Electrical and Computer Engineering from Carnegie Mellon and an M.B.A. from the University of Pittsburgh. A guest lecturer at the University of Pittsburgh and Carnegie Mellon, he holds several U.S. patents and is a member of numerous Boards of Directors.

John W. Manzetti

John Manzetti joined the Pittsburgh Life Sciences Greenhouse (PLSG) in 2006. After serving as an Executive-in-Residence and then as the Chief Operating Officer, assisting startup companies move their ideas and products through the PLSG "concept to commercializa-

tion" pipeline, he was named President and Chief Executive Officer in December 2006. He is also Managing Director of the PLSG Accelerator Fund, LLC, a for-profit venture capital fund managed by PLSG.
Prior to joining PLSG, Mr. Manzetti held the position of President and Chief Executive Officer at NOMOS Corporation, a leader in the field of radiation therapy treatment solutions for solid cancer tumors. He joined NOMOS in May 1999 as Executive Vice President and Chief Financial Officer, and was named President and Chief Operating Officer in December 2000. He was named Chief Executive Officer in October 2001 and spearheaded its merger with North American Scientific in 2004. After the merger, Mr. Manzetti assumed the role of President of the NOMOS Division, a wholly owned subsidiary of the company, and he also served as a Board Director of this publicly traded company (NASI on NASDAQ).
Prior to NOMOS, Mr. Manzetti served as Executive Vice President and Chief Financial Officer, Secretary and Treasurer at Carnegie Group, Inc., a publicly traded knowledge-based systems company that was acquired in November 1998 by Logica PLC, a UK-based firm. During his ten years at Carnegie Group, he helped the company become a recognized leader in delivering custom software solutions to commercial and government markets. He structured the company's IPO in 1995, and served as Corporate Secretary, Treasurer and Board Director. He also served as business unit manager for each of Carnegie Group's manufacturing, healthcare, financial services and government businesses.
Before the Carnegie Group, Mr. Manzetti served in various management positions of increasing responsibility at Babcock & Wilcox Company, a leader in the design and delivery of power generation systems and advanced energy and environment solutions to the industry.
He was the winner of the 2008 Carnegie Science Center Catalyst Award for the Life Sciences, the 2008 Ernst & Young Entrepreneur of the Year Award, and the 2011 TechQuest Pennsylvania Outstanding Leadership in Technology Award. He is also a Director of the Pittsburgh Venture Capital Association, the Boy Scouts of America Pittsburgh Chapter, and several of the PLSG portfolio companies.
Mr. Manzetti holds a B.S. in Business Administration and an Honorary Doctorate of Entrepreneurial Business from Geneva College, and an M.B.A. from the University of Akron.

David McFeeters-Krone

David McFeeters-Krone is an experienced commercialization executive with a 19-year career. After various roles at MIT, NASA and Intel, he started his own firm in 2001 to provide intellectual property strategy services to clients, including Sharp Technology Ventures, P&G, Deloitte, U.S. DOD, NASA, various research hospitals, and the National Technology Transfer Center. For the past seven years, he has worked extensively with members of the Federal Labora-

tory Consortium for Technology Transfer FLC), performing technology evaluation, licensing, and matching companies to federal laboratory capabilities. His work with the FLC has led to over 20 agreements in fields ranging from alternative energy to armored glass, robots to rotors, and sand flies to software. As a four-year member of the FLC Program Committee, he has developed strong professional relationships with FLC regional directors and technology managers across the DOD, DOE, NASA, and NIST. David's efforts were recognized with an ad hoc award at the 2008 annual meeting and the Outstanding Service award in 2011. Prior to forming his firm, he served as Vice President, Strategic Planning at CenterSpan (NASDAQ: CSCC). At Intel Corporation, he managed business development for Internet communication technologies, seeking outside (and internal) partners to commercialize Intel Labs' products.

Mr. McFeeters-Krone is a member of the Licensing Executives Society, an adjunct professor at Portland State University, and on the advisory board of several firms (Innovation Assets Group and Kerstech). He speaks regularly on open innovation and technology commercialization. He holds a physics degree from the University of Michigan and an M.B.A. from the University of Pittsburgh.

Tom Mildenhall

Tom Mildenhall is the Technology Scout for Kimberly-Clark's nonwovens division. He encourages and facilitates researchers in nonwovens working with external providers of technology. Prior to this open innovation assignment, Mr. Mildenhall was a research manager and has managed product, material, and process development groups in both business groups and corporate research. At the beginning of his career he was a research engineer at DuPont in Lycra® spandex research. He received a B.S. and Ph.D. in Chemical Engineering at Brigham Young University (BYU).

In addition, Mr. Mildenhall is active in the Industrial Research Institute's External Technology Network, the Nonwovens Cooperative Research Center at North Carolina State University, and the Management Division of the American Institute of Chemical Engineers. He also serves on industrial advisory boards for chemical engineering departments at BYU and Vanderbilt University.

He enjoys spending time with his family (six children and seventeen grandchildren), hiking, vegetable gardening, keeping his home computer network running, and doing volunteer work with his church and the Boy Scouts of America.

Kirsten Rieth

Kirsten Rieth works at the intersection of technology and business, supporting clients in open innovation, technology assessment and commercialization,

as well as innovation-led economic development. She helps businesses, universities, federal laboratories, and government agencies find, commercialize, and apply technologies for economic benefit. She manages commercial technology assessments, market studies, strategic business intelligence and technology scouting, commercialization program evaluation, and technology transfer training.

Ms. Rieth currently works with several NASA Centers to connect NASA SBIR companies to potential Phase III commercialization project funding sources. She also manages RTI International's support of the NIST Manufacturing Extension Partnership (MEP), specifically, the team that delivers technology scouting and market intelligence services to small-to-medium enterprise clients and trains MEP staff.

Ms. Rieth received her B.S. in mechanical engineering from the University of Minnesota and an M.B.A. from the Kenan-Flagler Business School at the University of North Carolina. Prior to joining RTI, she had a 14-year career in the defense industry.

Mike Schwenk

Mike Schwenk has more than 30 years of technical and business management experience in government, nonprofit, entrepreneurial, and corporate settings. For most of that time, he has championed numerous efforts to move research out of the laboratory and into the hands of business. If this can best be characterized as technology-based economic development, then it is fair to say that is his passion.

Mr. Schwenk has demonstrated leadership in technology transfer. Not only does he manage the award winning commercialization and economic development activities at one of our nation's national laboratories, but he has chaired two corporate councils comprised of six national laboratories dedicated to improving the innovation process. He has served as Battelle's single point of contact to the Department of Energy on technology transfer matters. Mr. Schwenk also serves as Pacific Northwest National Laboratory's government relations steward, providing executive leadership for the laboratory's federal, state, local, and other policy-related activities.

Mr. Schwenk offers a unique perspective on how businesses large and small can gain access to and benefit from the vast resources of our national laboratory system. He's seen it and lived it from all sides—from researcher to manager to economic developer to executive. He has taken this experience and developed a new "outcome-driven" model designed to accelerate discovery to deployment. He is a vocal advocate of private and public collaboration that pairs the best of government resources and private-sector know-how to solve the nation's most pressing challenges.

Nationally, Mr. Schwenk chairs the Industrial Research Institute's (IRI) Science and Technology Policy Committee; and he also serves on the board of the International Economic Development Council. Regionally, Governor Christine Gregoire

appointed him to the Washington Economic Development Commission to bring fresh perspective and leadership to the state's innovation agenda. He chairs the Washington State University Research Foundation, which is WSU's technology transfer arm. Closer to home, Mr. Schwenk chairs the Three Rivers Community Roundtable, a regional umbrella economic development organization, as well as the Mid-Columbia Energy Initiative. In 2008, he was named Tri-Citian of the Year, an annual recognition awarded to an individual in the community who has demonstrated outstanding leadership for positive development, economic growth and quality of life. He is a frequent speaker on all aspects of the innovation ecosystem.

Matt Spangard

Matt Spangard leads the technology initiatives at a collection of innovation-centric businesses. His primary focus is using technology to empower creative individuals and organizations with great ideas. Mr. Spangard's platforms transform sparks of innovation into marketable products, allowing creative individuals and organizations to continue being creative while reaping the rewards of third-party commercialization of their innovations. His businesses include:

- Edison Nation (www.edisonnation.com)—a website dedicated to creative individuals and organizations, Edison Nation partners with major retailers and manufacturers to host searches to identify innovative ideas and products. In 2011, Edison Nation launched a $25 million Innovation Fund to develop and commercialize innovations directly.
- Enventys (www.enventys.com)—an integrated product design and engineering firm with offices in Charlotte, New York City, and Taiwan. Enventys is responsible for the development and filing of hundreds of patents worldwide.
- Everyday Edisons (www.everydayedisons)—an Emmy Award-winning television series that airs on public television stations in the U.S. and over 60 countries. Mr. Spangard is the co-executive producer of Everyday Edisons.
- Inventors Digest (www.inventorsdigest.com)—the world's only monthly magazine dedicated to the independent inventor. In its 26th year of publication, the magazine is available on the iPad and in print.

Mr. Spangard graduated from the School of Journalism and Mass Communications at the University of North Carolina at Chapel Hill in 1996.

Ric C. Trotta

Ric C. Trotta has extensive senior level corporate and management

consulting experience in business development, strategic planning and technology management. As President and senior consultant at Trotta Associates, he works with government, industry, and academic clients to identify market opportunities, develop business plans and facilitate strategic alliances. Product areas have included: medical devices, advanced transportation, energy, defense systems, security, food safety and consumer products. Clients have included: The Department of Defense, Army, Navy, Air Force, ITT, Ford, Air Products, Siemens, Raytheon and Philips. In addition, he has directed projects to improve regional economic activity, led efforts to expand commercial industry involvement on defense programs and served as an advisor to Government on R&D policy.

Prior to founding Trotta Associates, he was Corporate Director of Development Resources for Grumman Corp., where he reported to the Office of the Chairman of the Board and managed all research and development and proposal resources to develop new business for the company's Aerospace, Electronics, Transportation and Data Systems divisions.

Since 2001, Mr. Trotta has served as the chair of the Federal Laboratory Consortium National Advisory Council where he and a diverse team of executives provide guidance to help commercialize technologies developed in federal laboratories.

He attended the University of Virginia majoring in Electrical Engineering, received a degree in Physics from New York University, an MBA in Marketing from Hofstra University, completed the Program for Executives at Carnegie Mellon University, is included in Who's Who in America and has served on the board of a number of organizations.

Dan Winfield

Dan Winfield is a Senior Director with 27 years of technology commercialization experience at RTI International, a leading global research organization. He provides strategic leadership and business development for the RTI Center for Technology Applications, building on core competencies of competitive technology assessment, market research, and commercialization. He has led this center into growth businesses, including open innovation services and innovation-led economic development consulting to government, university, and corporate clients. Mr. Winfield also supports multi-agency technology transfer efforts through problem definition, technology identification, and partnership development. He has organized numerous national workshops addressing research needs and involving university researchers, federal lab engineers, and technical and business professionals from industry. Mr. Winfield chaired the RTI Patent Advisory Committee for 7 years. Prior to joining RTI, he held several product development positions in the medical device industry.

2012 FLC National Meeting
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Information for the 2013 FLC National Meeting will soon be available at federallabs.org/meeting.

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