SYMPOSIUM AGENDA

10:00 a.m.  Master of Ceremonies: Peter Alfonso, Vice President, URI Research and Economic Development
Welcome: David M. Dooley, President, University of Rhode Island
Opening Remarks: James Langevin, U.S. Congressman

10:30 a.m.  Keynote: Mark Weatherford, Deputy Under Secretary for Cybersecurity, Department of Homeland Security
Q & A

11:15 a.m.  Federal Initiatives: Workforce
Introductions: Victor Fay-Wolfe, Professor, URI Department of Computer Science and Statistics
Bret Hartman, RSA Chief Technology Officer and EMC Fellow, RSA, The Security Division of EMC
William D. Newhouse, Cybersecurity Advisor, Computer Security Division, Information Technology Lab, National Institute of Standards and Technology
R. Corby Hovis, Program Director, Research Experiences for Undergraduates, National Science Foundation
Jinendra Ranka, Program Manager, Strategic Technology Office, Defense Advanced Research Projects Agency
Panel Q & A

12:30 p.m.  Luncheon Buffet
Viewing of Student Cybersecurity Research Posters

1:15 p.m.  Keynote: Lieutenant General Michael T. Flynn, Assistant Director of National Intelligence for Partner Engagement
Q & A

2:00 p.m.  Partnerships in Cybersecurity: Government, Industry, and Public Institutions Working Together
Introductions: Lisa DiPippo, Professor, URI Department of Computer Science and Statistics
Theresa Murray, Executive Director, State of Rhode Island Emergency Management Agency
Major George Mannix, Project Manager, Cyber Critical Infrastructure Protection, R.I. Army National Guard
Robert Pate, Vice President for Cybersecurity, Science Applications International Corporation
Panel Q & A

3:15 p.m.  Closing Remarks: James Langevin, U.S. Congressman

May 2, 2012
Center for Biotechnology and Life Sciences
Kingston Campus • Kingston, Rhode Island
Peter Alfonso, Ph.D.
Vice President for Research and Economic Development
University of Rhode Island

Dr. Peter Alfonso assumed his current position on March 1, 2007. In previous administrative appointments as chief research officer, Dr. Alfonso served as Vice President for Research at the University of North Dakota, Associate Vice President for Research at the University of Tennessee, and as Associate Provost for Research at the University of North Carolina at Greensboro. He holds a number of public and private sector science advocacy positions, including service on the Executive Committee of the NASULGC Council on Research Policy and Graduate Education, and the Board of Directors of the EPSCoR/IDeA Foundation.

Previous to research administrative positions, Dr. Alfonso was in residence at Indiana University Bloomington during the 1997-98 academic year, where as a Fellow of the American Council on Education, he worked with the President, Chancellor, and Vice President for Research. From 1991-99 Dr. Alfonso served as Professor and Head of the Department of Speech and Hearing Science at the University of Illinois at Urbana-Champaign and from 1977-91 as research scientist at the Haskins Laboratories in New Haven, Connecticut and as assistant professor, associate professor, and professor of Speech-Language Pathology and Audiology at the University of Connecticut.

Dr. Alfonso has held a number of adjunct research and academic appointments in the U.S. and abroad. Since taking his Ph.D. in Speech Science and Experimental Phonetics from Purdue University in 1977, he has been awarded over $20M in federal research awards, and has published over 130 book chapters, articles, and abstracts in speech acoustics, speech perception, and speech physiology, particularly in the areas of speech motor control in normal and speech disordered populations. Dr. Alfonso is a 1990 Fulbright Research Scholar to The Netherlands, a Fellow of the American Speech-Language-Hearing Association, and a Fellow of the American Council on Education.

David M. Dooley, Ph.D.
President
University of Rhode Island

Dr. David M. Dooley became the 11th president of the University of Rhode Island in July 2009. He joined the University with nearly 30 years of experience in public and private higher education.

Since he’s been in Rhode Island, President Dooley has traveled throughout the state --- each trip he considers to be just a “little more than a Montana mile” --- to meet with community groups, business leaders, politicians, alumni and more. He met with journalists at media outlets statewide, participated in a web chat with Providence Journal readers, and started his own blog. He has watched football games with URI students in the newly renovated basement of his campus home, invited artists to display their works there, and he has even thrown out the first pitch at a Boston Red Sox game.

At all of these meetings and at various events, President Dooley has shared a message that is consistent with the seal of the State of Rhode Island and the University. The message is “hope.” The seasoned administrator, educator and scientist is committed to creating a community of discovery that involves all students, the faculty and staff in “Creating the Future: Transforming the World.” He also was appointed to serve all Rhode Islanders from the board of the Rhode Island Economic Development Committee and has initiated new opportunities for the University to take a central role in the renewal and improvement of the State’s economy and education systems.

Prior to joining the University, President Dooley was the provost and vice president for Academic Affairs at Montana State University, which was the school’s second highest-ranking administrative position. There he played a central role in the development of the college’s vision, values, and core messages, which emphasized excellence in scholarship, creative work, teaching, and engagement. Dr. Dooley brings to URI a collaborative leadership style that encourages entrepreneurial approaches to problem solving and program development.

Earlier at Montana State, Dr. Dooley led the university’s chemistry and biochemistry department and served as a chemistry professor. As provost, he also maintained an active laboratory with research funded by the National Institutes of Health and the National Science Foundation. He had been a central figure in attracting research dollars to Montana State,
helping to grow that budget to $100 million during his tenure. Montana State is now ranked among the top tier of research universities, as classified by the Carnegie Foundation for the Advancement of Teaching. URI, which is ranked in the second tier, aspires to that goal.

Actively engaged in teaching and research throughout his academic career, Dr. Dooley began as an assistant professor of chemistry at Amherst College in Amherst, Mass. in 1978 and left in 1993 to chair the Montana State chemistry department. Six years later he became the interim, then full provost and vice president for Academic Affairs. Dr. Dooley earned a B.A. in Chemistry from the University of California in San Diego and a Ph.D. in Chemistry from California Institute of Technology in Pasadena. Dr. Dooley’s wife, Lynn Baker-Dooley, is a Baptist minister. The Dooleys have two adult children, Chris and Samantha, and a dog named Rhody.

James Langevin
U.S. Congressman
State of Rhode Island

Recognized as a national and party leader on national security, health care and stem cell research, Congressman Jim Langevin has dedicated his many years of public service at the federal and state levels to the hard-working citizens of Rhode Island.

Langevin serves on the House Armed Services Committee, where he is the Ranking Member of the Emerging Threats and Capabilities Subcommittee, and serves on the subcommittees on Seapower and Projection Forces, and Strategic Forces. At the request of Minority Leader Nancy Pelosi, he is serving his third term on the House Permanent Select Committee on Intelligence and he is a member of the Subcommittee on Technical and Tactical Intelligence. Langevin strongly believes that good intelligence is the nation’s first line of defense against terrorism and other national security threats.

Securing our nation’s technology infrastructure against cyber attack is a top priority for Langevin, both within and beyond his committee work. As the Co-Founder and Co-Chairman of the bipartisan House Cybersecurity Caucus, he has taken on a leadership role in raising awareness of cybersecurity issues in Congress and fostering dialogue and debate on the critical questions surrounding this topic. In addition, he is working to implement the recommendations of the Center for Strategic and International Studies (CSIS) Commission on Cyber Security for the 44th Presidency, which Langevin co-chaired. He is encouraged that the President understands these modern security challenges, and is working closely with the Administration to ensure that the Commission’s recommendations are considered as a national security agenda is developed.

Mark Weatherford
Deputy Under Secretary
for Cybersecurity
Department of Homeland Security

Mark Weatherford is the Deputy Under Secretary for Cybersecurity for the National Protection and Programs Directorate (NPPD), a position that will allow DHS NPPD to create a safe, secure, and resilient cyberspace. Weatherford has a wealth of experience in information technology and cybersecurity at the Federal, State and private sector levels.

Weatherford was previously the Vice President and Chief Security Officer of the North American Electric Reliability Corporation (NERC) where he directed the cybersecurity and critical infrastructure protection program.

Before NERC, Weatherford was with the State of California where he was appointed by Governor Arnold Schwarzenegger as the state’s first Chief Information Security Officer. Prior to California, he served as the first Chief Information Security Officer for the State of Colorado, where he was appointed by two successive governors. Previously, as a member of the Raytheon Company, he successfully built and directed the Navy/Marine Corps Intranet Security Operations Center (SOC) in San Diego, California, and also was part of a team conducting security certification and accreditation with the U.S. Missile Defense Agency. A former U.S. Navy Cryptologic Officer, Weatherford led the U.S. Navy’s Computer Network Defense operations and the Naval Computer Incident Response Team (NCIR/NCIRT).

Weatherford earned a bachelor’s degree from the University of Arizona and a master’s degree from the Naval Postgraduate School. He also holds the Certified Information Systems Security Professional (CISSP) and Certified Information Security Manager (CISM) certifications. He was awarded SC Magazine’s prestigious “CSO of the Year” award for 2010 and named one of the 10 Most Influential People in Government Information Security for 2012 by GovInfo Security.
Dr. Victor Fay-Wolfe is a Professor of Computer Science at the University of Rhode Island (URI), where he has been since 1991. He received his Bachelor of Science in Electrical Engineering from Tufts University and his M.S. and Ph.D. in Computer Science from the University of Pennsylvania. Dr. Fay-Wolfe founded URI’s Digital Forensics Program, and is the Director of URI’s Digital Forensics and Cyber Security Center (DFCSC) which has recently been designated as a NSA/DHS Center of Academic Excellence in Information Assurance Education. The DFCSC provides an undergraduate and graduate curriculum, a research program, and a service center. Dr. Fay-Wolfe has been the principal investigator on over $10M in federal research grants and published over 100 professional articles and books.

The URI DFCSC undergraduate and graduate programs founded by Dr. Fay-Wolfe were originally funded by a U.S. National Science Foundation (NSF) Cyber Security Capacity Building grant, and were among the first digital forensics programs in the country. The academic program now includes minors in digital forensics and cybersecurity, graduate certificates in digital forensics and cybersecurity, and an internship program that places students at many federal agencies and companies that perform computer forensics, as well as an NSF Research Experience for Undergraduates summer internship program where students from all over the country work in the URI DFCSC for a summer.

The URI DFCSC research program led by Dr. Fay-Wolfe is the highest funded university program in Digital Forensics by the U.S. Dept of Justice in the country. It includes six current and recent awards from the U.S. National Institute of Justice’s (NIJ) Electronic Crimes Program. URI Digital Forensics research products have been successfully transitioned to commercial products marketed by several companies and organizations and used by digital forensics professionals across the world.

The URI DFCSC has a Digital Forensics Service Center founded by Dr. Fay-Wolfe. It is a working forensics lab on the URI campus. It performs case work for local agencies and attorneys; providing both services to these communities and an opportunity for student interns to learn from real case work. The staff designed and built the Rhode Island State Police Computer Forensics Lab, a centralized lab for all law enforcement digital forensics work in the state, the model of which is being considered by the NIJ as a model for the rest of the country of an innovative, effective collaborative law enforcement digital forensics lab. The URI DFCSC has run digital forensics training courses for federal, state, and local law enforcement officers/agents. The URI DFC has recently been named as the lead partner in the NIJ’s Electronic Crimes Technology Center of Excellence. In this role they are the lead on projects such as cell phone tool analysis for the U.S. Dept of Justice. Dr. Fay-Wolfe is also currently leading the NIJ-sponsored Electronic Crimes and Digital Evidence Needs Assessment for State and Local Law Enforcement, a two year nationwide study of what the future needs are for state and local law enforcement in handling digital evidence that will be used by the NIJ and congress to establish funding priorities. Dr. Fay-Wolfe is a court-certified expert witness and testifies in computer forensics cases.

As CTO of RSA and an EMC Fellow, Bret Hartman is responsible for defining the corporate security technology strategy for all of EMC. Bret has 30 years of experience building security infrastructures, including Cloud, Virtualization, SOA, Web services, policy development and management, and security modeling and analysis. Bret has spoken at dozens of security and privacy industry events and prior to EMC held senior management roles at IBM, DataPower, Hitachi, and Concept Five. Bret started his career as a U.S. Air Force officer assigned to the U.S. National Security Agency where he helped to create the “DoD Trusted Computer System Evaluation Criteria” (Orange Book). Bret has also co-authored security industry specifications, security technology books, and a patent for enterprise application security integration.

Bret holds a B.S. in Computer Science & Engineering from MIT and an M.S. in Computer Science from the University of Maryland.
William D. Newhouse
Cybersecurity Advisor, Computer Security Division, Information Technology Lab
National Institute of Standards and Technology
National Institute of Standards and Technology (NIST). Mr. Newhouse’s primary role is representing NIST in several collaborative efforts. Mr. Newhouse is part of the team at NIST leading the National Initiative for Cybersecurity Education (NICE). He represents NIST in a partnership with DHS and the financial sector to develop and test innovative cybersecurity technologies and processes. Mr. Newhouse currently co-chairs the NITRD Cyber Security and Information Assurance Interagency Working Group (CSIA IWG) that just recently finished drafting a Strategic Plan for federal cybersecurity research and development that will soon be available for public comment. Mr. Newhouse’s role in the CSIA IWG also means that he will be part of the conversation regarding the S’T and R&D needs described in the National Strategy for Trusted Identities in Cyberspace (NSTIC). Mr. Newhouse is also a member of the Federal Special Cyber Operations Research and Engineering (SCORE) Interagency Working Group, which is conducting a series of four cybersecurity ‘assumption buster’ workshops, starting in March 2011 (http://cybersecurity.nitrd.gov/).

Before coming to NIST, William spent five years in the Office of the Secretary of Defense where he worked initially with the Director of Defense Research and Engineering (DDR&E) and then with the Assistant Secretary of Defense for Networks and Information Integration (NII) on cybersecurity R&D issues and R&D portfolio management. Within (NII), William pushed the Defense Venture Catalyst Initiative (DeVenCi) to focus on cybersecurity requirements, and he also led the effort to build a collaborative space known as IA Connect where Department of Defense Information Assurance or cybersecurity professionals could learn what colleagues in the Department already know about Information Assurance vendors. Mr. Newhouse is a graduate of both the Georgia Institute of Technology and George Washington University and has been with the federal government for over 24 years.

R. Corby Hovis, Ph.D.
Program Director, Research Experiences for Undergraduates, National Science Foundation
Corby Hovis is a program director at the National Science Foundation (NSF) in Arlington, Virginia, where he oversees the NSF-wide Research Experiences for Undergraduates (REU) program and co-manages several grant programs in NSF’s Directorate for Education and Human Resources, including the Federal Cyber Service: Scholarship for Service (SFS) program, which provides scholarships and supports other activities to build strong educational programs in cybersecurity at colleges and universities. Dr. Hovis has also led the efforts within NSF’s Advanced Technological Education (ATE) program to grow cybersecurity courses and curricula at community colleges around the nation.

Before coming to NSF in 1997, Dr. Hovis served on the faculty of Valparaiso University and, at the same time, as science editor at Encyclopædia Britannica in Chicago. He earned his graduate degrees (Ph.D., M.S., M.A.) from Cornell University and his undergraduate degree from Wake Forest University.

From September 2009 through August 2010, Dr. Hovis was an American Council on Education (ACE) Fellow in the Office of the President at The Ohio State University.

Jinendra Ranka, Ph.D.
Program Manager, Strategic Technology Office
Defense Advanced Research Projects Agency
Dr. Jinendra K. Ranka is a program manager in the Strategic Technology Office at the Defense Advanced Research Projects Agency. His focus at DARPA is on the development and demonstration of advanced surveillance, computation, and network systems.

Dr. Ranka received his BS in Electrical Engineering from the California Institute of Technology and his Ph.D. in Applied and Engineering Physics from Cornell University. He is the author of more than 40 technical papers with over 5,000 citations and is a Fellow of the Optical Society of America.
Lieutenant General Michael T. Flynn
Assistant Director of National Intelligence, Partner Engagement
Office of the Director of National Intelligence

Michael T. Flynn graduated from the University of Rhode Island in 1981 and was commissioned a second lieutenant in Military Intelligence. His first assignment was as a paratrooper of the 82nd Airborne Division at Fort Bragg, North Carolina. Since that time he has served in a variety of command and staff positions to include, Commander, 313th Military Intelligence Battalion and G2, 82nd Airborne Division; G2, 18th Airborne Corps, CJ2, CJTF-180 Operation Enduring Freedom (OEF) in Afghanistan; Commander, 111th Military Intelligence Brigade at the Army’s Intelligence Center at Fort Huachuca, Arizona; Director of Intelligence, Joint Special Operations Command with duty in OEF and Operation Iraqi Freedom (OIF); Director of Intelligence, United States Central Command with duty in OEF and OIF; Director of Intelligence, the Joint Staff; Director of Intelligence, International Security Assistance Force-Afghanistan and U.S. Forces-Afghanistan, Special Assistant to the Deputy Chief of Staff, G-2; and he currently serves as the Assistant Director of National Intelligence, Partnership Engagement.

Lieutenant General Flynn holds an undergraduate degree in Management Science from the University of Rhode Island and holds three graduate degrees; a Master's of Business Administration in Telecommunications from Golden Gate University, San Francisco, a Masters in the Military Arts and Sciences from Fort Leavenworth, Kansas, and a Masters in National Security and Strategic Studies from the United States Naval War College. He also holds an Honorary Doctorate of Laws, from the Institute of World Politics, Washington D.C.

Lieutenant General Flynn’s other assignments include multiple tours at Fort Bragg, North Carolina where he deployed with the 82nd Airborne Division as a platoon leader for Operation URGENT FURY in Grenada, and as Chief of Joint War Plans for JTF-180 UPHOLD DEMOCRACY in Haiti. He also served with the 25th Infantry Division at Schofield Barracks, Hawaii and as the Senior Observer/Controller for Intelligence at the Joint Readiness Training Center at Fort Polk, Louisiana.

Lieutenant General Flynn is a graduate of the Army’s Intelligence Officer Basic, Advanced, and Electronic Warfare Courses, the Combined Armed Services Staff Course, the United States Army Command and General Staff College and School of Advanced Military Studies and the United States Naval War College.

His awards include the Defense Superior Service Medal (with 3 Oak Leaf Clusters), Legion of Merit (with Oak Leaf Cluster), Bronze Star Medal (with 3 Oak Leaf Clusters), Meritorious Service Medal (with Silver Oak Leaf Cluster), Joint Service Commendation Medal, Army Commendation Medal (with 4 Oak Leaf Clusters), the NATO Service Medal, and several service and campaign ribbons. Lieutenant General Flynn also has earned the Ranger Tab and Master Parachutist Badge, and the Joint Staff Identification Badge.

Lieutenant General Flynn is happily married and has two sons.

April 17, 2012 President Obama nominated Army Lieutenant General Michael T. Flynn for reappointment to the rank of lieutenant general and reassignment as the next director of the Defense Intelligence Agency. Lt. Gen. Flynn is currently serving as the ODNI’s assistant director of national intelligence for partner engagement.

Lisa DiPippo, Ph.D.
Associate Professor, Computer Science and Statistics
University of Rhode Island

Dr. Lisa DiPippo is an Associate Professor in the Department of Computer Science and Statistics at the University of Rhode Island where she has been since 1998. She earned her B.S. in Computer Science at Lafayette College, and her M.S. and Ph.D. in Computer Science, and Applied Mathematics respectively at URI. Dr. DiPippo is the Director of Cybersecurity Academic Programs for URI’s Digital Forensics and Cyber Security Center (DFCSC). She has been instrumental in the development of the cybersecurity curriculum as well as the associated degree and certificate programs. Dr. DiPippo lead the DFCSC effort towards URI’s designation as a NSA/DHS Center of Academic Excellence in Information Assurance Education. Her research interests include trusted networks, secure routing protocols, wireless sensor networks, and communication protocols. She has served as a reviewer for various conferences and journal publications. Dr. DiPippo’s research has been funded by the National Science Foundation, the Office of Naval Research, DARPA and other national agencies. Dr. DiPippo is a member of the IEEE Computer Society.
Theresa Murray was appointed to serve as the Executive Director of the Rhode Island Emergency Management Agency in January 2012. Murray joined RIEMA in June 2009 as the Regional Planning Coordinator overseeing Regional Planners covering 39 communities in Rhode Island for the development of Emergency Operations Plans, Continuity of Operations Plans and Dam Emergency Action Plans. In 2011, Murray served as the Regional Catastrophic Planner at RIEMA and was responsible for coordinating Rhode Island’s regional catastrophic planning efforts with the states of Massachusetts and New Hampshire.

Murray, in concert with the Rhode Island State Police, Computer Crimes Unit, has led the development of a State Cyber Disruption Plan and State Cyber Disruption Team.

Murray retired as an Assistant Special Agent in Charge following a 25 year career in federal law enforcement where she managed offices in Boston, New York and San Juan. Murray conducted and managed investigations concerning the seizure, preservation and analysis of all manner of digital media.

Major George Mannix
Project Manager, Cyber Critical Infrastructure Protection, R.I. Army National Guard

Major George Mannix is a member of the Rhode Island Army National Guard. He serves as the Cyber Critical Infrastructure Protection Project Manager for the National Guard Bureau Mission Assurance office. He is responsible for conducting risk and resilience assessments, analyzing threat information, and planning and coordinating with Joint and Interagency mission partners. Prior to this, he served as the Deputy Program Manager and Cyberspace Operations Planner for the Army National Guard Information Operations office. Other previous assignments include training and real-world support to U.S. Strategic Command and U.S. Special Operations Command, managing non-lethal targeting for Multi-National Division Baghdad, and service as a Mechanized Infantry platoon leader in Abu Ghraib, Iraq. He was commissioned through the University of Rhode Island Reserve Officers Training Corps program; he graduated summa cum laude from the University of Rhode Island in 2001. His civilian work experience includes jobs in the film, television, and Internet industries.

Robert Pate is currently the Vice President for Cybersecurity at Science Applications International Corporation (SAIC). Prior to joining SAIC, Rob has held positions as the Chief Security Officer at Renesys and Vice President for Cybersecurity and Privacy at McNeil Technologies. During his time with the federal government, Rob served as the Deputy Director of Outreach and Awareness at the National Cyber Security Division (NCSD) at the Department of Homeland Security as well as the Director of Focused Operations with the United States Computer Incident Readiness Team (US-CERT).

He founded the Government Forum of Incident Response and Security Teams (GFIRST). This Government information sharing effort is focused on daily information exchange at the technical operators across different incident response teams representing the defense, intelligence, law enforcement, and federal civilian agency communities.

In addition to his GFIRST activities, Mr. Pate led the US-CERT situational awareness program (know as Einstein) which was focused on providing the government with early indications and warnings. He began the Chief Information Security Officers (CISO) Forum for the entire federal government. Mr. Pate came to the Department of Homeland Security from an operational environment where he was the Director of an Incident Response Team for the largest federal civilian agency and the largest healthcare provider in the world.

Mr. Pate has a mathematics degree from the University of North Carolina at Chapel as well as graduate work at Johns Hopkins, Stanford, and Georgetown Universities. He completed the Senior Executive Leadership Program at Georgetown University. He was selected as a Federal 100 award winner for his contributions to government information technology. Mr. Pate serves on the advisory board for InfraGard National Members Alliance, National Cyber Security Alliance (NCSA), Internet Security Alliance (ISA,) as well as the Security Innovation Network (SINET).
WE THANK OUR SPONSORS FOR THEIR SUPPORT

THE UNIVERSITY OF RHODE ISLAND
DIVISION OF RESEARCH AND ECONOMIC DEVELOPMENT
THINK BIG® WE DO™

VAN SCOYOC ASSOCIATES

nationalgrid
The power of action.

Fidelity INVESTMENTS