

You are here: [Home](#) ▶ [16th Colloquium](#) ▶ [Agenda](#) ▶ [Speakers](#) ▶ [Dr. Ernest McDuffie](#)

DR. ERNEST MCDUFFIE



Dr. Ernest McDuffie

Monday, June 11th at 9:00am



Dr. Ernest McDuffie was appointed the Lead for the National Institute of Standards and Technology (NIST) effort as the principal agency for the White House's National Initiative for Cybersecurity Education (NICE) program in 2010. Under his leadership the NICE initiative has championed the cause of cybersecurity awareness, education, workforce structure, training and workforce development.

Dr. McDuffie served from 2006 to 2010 at the National Coordination Office (NCO), Networking and Information Technology Research and Development (NITRD).

Initially serving as the Technical Coordinator for the Cyber Security and Information Assurance (CSIA) Interagency Working Group (IWG), Federal Agency Administration of Science and Technology Education and Research (FASTER) Committee of Practice (CoP), and the Software Design and Productivity (SDP) Coordination Group (CG). After joining NIST as a Computer Scientist in the Information Technology Laboratory (ITL), Office of Federal and Industrial Relations, he became the NCO Associate Director, and spent three months as the NCO Acting Director.

Prior to joining the NCO, Dr. McDuffie served as the Deputy Director of the Office of Naval Research (ONR) – Science and Technology for America's Readiness (N-STAR) Initiative; the Lead Program Director for the Federal Cyber Service: Scholarship for Service (SFS) Program at the National Science Foundation (NSF); and as an Assistant Professor at Florida State University in the Department of Computer Science, teaching both graduate and undergraduate courses in Computer Science. Dr. McDuffie has participated in software engineering projects for the U.S. Air Force, the National Center for Atmospheric Research, the Federal Aviation Administration, Lockheed Missiles and Space Company, Los Alamos National Laboratory, and the National Security Agency.

Dr. McDuffie received his Ph.D. and M.S. degrees in Computer Science from the Florida Institute of Technology in Melbourne, Florida. He is the government recipient of the 2011 Colloquium's Academic Educator of the Year Award.

2012 COLLOQUIUM

- [Agenda](#)
 - [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Debora A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)

You are here: [Home](#) ▸ [16th Colloquium](#) ▸ [Agenda](#) ▸ [Speakers](#) ▸ Debora A. Plunkett

DEBORA A. PLUNKETT



Debora A. Plunkett

Monday, June 11th at 10:15am

Debora A. Plunkett currently serves as Director of the Information Assurance Directorate (IAD) at the National Security Agency, where she leads efforts to protect and defend United States (U.S.) national security systems. In this role, she is the focal point for cyber security, cryptography, and information systems security for our nation's critical systems. With over 27 years of U.S. government service, she has held leadership positions in both the signals intelligence and information assurance missions at NSA. In addition, she served as a Director on the National Security Council at the White House for the Administrations of both President Clinton and President George W. Bush, where she helped shape national policy and programs in support of critical

infrastructure protection and cyber security.

Ms. Plunkett earned a Bachelor of Science degree from Towson University and a Masters in Business Administration from Johns Hopkins University. She is a graduate of the National War College where she was awarded a Master of Science in National Security Strategy. She also completed the Intelligence Fellows Program.

Ms. Plunkett has received numerous awards and recognition, to include the rank of Meritorious Executive in the Senior Cryptologic Executive Service which was awarded by President George W. Bush.

A native of Baltimore, Maryland, Ms. Plunkett enjoys serving in her church and spending time with her family. She is an avid sports fan and an accomplished genealogist. She and her husband live in Ellicott City, Maryland and have an adult son and daughter.

2012 COLLOQUIUM

- [Agenda](#)
- [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Debora A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)

You are here: [Home](#) ▸ [16th Colloquium](#) ▸ [Agenda](#) ▸ [Speakers](#) ▸ Dr. Deborah Frincke

DR. DEBORAH FRINCKE



Dr. Deborah Frincke

Monday, June 11th at 4:00pm



Dr. Deborah Frincke joined the National Security Agency in July 2011 as Deputy Director of the Research Directorate, Defense Intelligence Senior Executive Service (DISES). NSA's Research Directorate is the only "in-house" research organization in the Intelligence Community dedicated to advancing intelligence through science, drawing on diverse disciplines such as mathematics, computer science, engineering, physics, neuroscience, cognitive psychology and linguistics. Dr. Frincke is an affiliate Full Professor with the Information School at the University of Washington. Her published research spans a broad cross section of computer security. She remains professionally active: co-edits the Basic Training Board for IEEE Security and Privacy

magazine, serves on numerous editorial boards and program committees such as the Journal of Computer Security, and represents the NSA in NITRD and National Intelligence Science & Technology Committee.

(U) Past Positions. Prior to joining NSA, Dr Frincke worked in academia, the Department of Energy National Laboratory system, and private industry. She served as Chief Scientist for Cyber Security Research at Pacific Northwest National Laboratory from 2004 through 2011. Prior to PNNL, Dr. Frincke was a full professor at the University of Idaho and co-founder/co-director of their Center for Secure and Dependable Systems, one of the first seven institutions to receive NSA's designation of National Center of Excellence in Information Assurance Education. Dr. Frincke was also one of the four original co-founders of the private company TriGeo Network Security, where she served as Lead Scientist and CTO; their original product line was based on her research. She remains an enthusiastic member of the DOE's cyber security grass roots community.

(U) Degrees and recognitions. Dr. Frincke earned her doctoral and master's degrees in computer science from University of California, Davis. A nationally-recognized expert in her field, she has published over 90 articles and technical reports spanning a variety of cyber security-related topics. She has received numerous awards for teaching, outreach, and research. In 2011 she chaired the IEEE Symposium on Security and Privacy, the flagship conference for security research.

2012 COLLOQUIUM

- [Agenda](#)
- [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Debora A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)

You are here: [Home](#) ▸ [16th Colloquium](#) ▸ [Agenda](#) ▸ [Speakers](#) ▸ Michael A. Davis

MICHAEL A. DAVIS



Michael A. Davis

Tuesday, June 12th at 9:30am



Michael A. Davis is the CEO of Savid Technologies, Inc., a technology and security consulting firm in Chicago. Savid specializes in risk assessments, IT Security consulting, compliance, enterprise networks and application security.

He is the author, Hacking Exposed: Malware and Rootkits where he addresses how malware works and how to defend against attacks. He is also a contributing author to Hacking Exposed, the number one book on hacker methodology. Michael is a Senior Contributing Author for InformationWeek magazine where he provides in-depth analysis on security methodologies for over a million readers and was voted one of the Top 25 under 25 in Business

by BusinessWeek. Michael is an active developer in the Open Source community and has ported many popular network security applications to the Windows platform including the Snort Intrusion Detection System, honeyd, dsniiff, and ngrep.

Prior to Savid Technologies, Michael has worked with McAfee, Inc., a leader in anti-virus protection and vulnerability management, as Senior Manager of Global Threats where he led a team of researchers investigating confidential and cutting edge security research. Michael has also worked for companies such as 3com and managed two Internet service providers.

ACCOMPLISHMENTS:

- Voted one of the Top 25 under 25 by BusinessWeek
- Fastest growing security consulting firm as reported by Inc. Magazine (#611 out of 5000)
- Author of "Hacking Exposed", the definitive Computer Security book
- Speaker and trainer at many security conferences including: Blackhat, Defcon, InfoSecWorld, Interop, and ISSA/ISACA.
- Teaches students about Risk Assessments at Northwestern and DePaul University
- Board Member for the Arts and Business Council in Chicago
- Porting Sebek, the HoneyNet kernel monitoring tool, to Windows NT/2000/XP

2012 COLLOQUIUM

- [Agenda](#)
 - [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Debora A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)

You are here: [Home](#) ▶ [16th Colloquium](#) ▶ [Agenda](#) ▶ [Speakers](#) ▶ Mark McKinnon

MARK MCKINNON



Mark McKinnon

Tuesday, June 12th at 1:30pm



Mark McKinnon has over 20 years of experience in IT. He started his career writing programs on a mainframe computer, then went on to do systems analysis, database administration, security audits and computer forensics.

Mr. McKinnon graduated from Grand Valley State University with a Bachelors and Masters degree in Computer Science. He received his computer forensic training from Key Computer Service through their training partnership with Kennesaw State University in Georgia. He obtained his Certified Computer Examiner (CCE) certification in August of 2005 and became recertified in August of 2007. He is also active on many of the Computer Forensics forums

helping other forensic examiners with technical problems.

Mr. McKinnon has written many programs that aid in the computer forensics examination process and has posted these on his blog "Computer Forensics/Electronic Discovery Tips, Tricks and Information" (<http://cfed-ttf.blogspot.com>). Mr McKinnon has been interviewed on the [Cyberspeak podcast](#) and also was interviewed on the [Forensic 4Cast podcast](#). In 2005, Mr. McKinnon started [RedWolf Computer Forensics](#) which is where he is now selling his new software "Drive Prophet" which is a triage program to be used on Windows Systems. Mr. Mckinnon has also created many free programs that are used by forensic examiners around the world; some of the more notable software is Skype Log Parser, Google Chrome Parser, CSC Parser and the Vista Thumbcache Parser. With the New PI law requirement in Michigan, Mr. McKinnon has become an associate of [Data Exam LLC](#), where he continues to do digital forensic examinations and E-Discovery work. RedWolf Computer Forensics currently creates and supports his software. Mr. McKinnon has been recognized in the Circuit Court of West Michigan as a Digital Forensics Expert. Mr. McKinnon is also an adjunct professor at [Davenport University](#) where he teaches Computer Forensics classes.

2012 COLLOQUIUM

- [Agenda](#)
 - [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Debora A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)

You are here: [Home](#) ▸ [16th Colloquium](#) ▸ [Agenda](#) ▸ [Speakers](#) ▸ Dr. Corby Hovis

DR. CORBY HOVIS



Dr. Corby Hovis

Tuesday, June 12th at 3:00pm



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.

2012 COLLOQUIUM

- [Agenda](#)
- [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Deborah A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)

You are here: [Home](#) ▶ [16th Colloquium](#) ▶ [Agenda](#) ▶ [Speakers](#) ▶ Dr. Victor Piotrowski

DR. VICTOR PIOTROWSKI



Dr. Victor Piotrowski

Tuesday, June 12th at 3:00pm



Dr. Victor Piotrowski is a Lead Program Director at the National Science Foundation (NSF) in Arlington, Virginia, where he is responsible for several programs related to Cybersecurity Education. In particular, he oversees the Federal Cyber Service: Scholarship for Service (SFS – CyberCorps™) program with an annual budget of \$45 million. This program seeks to increase the number of qualified students entering the field of cybersecurity and to increase the capacity of the United States higher education enterprise to continue to produce professionals in this field to meet the needs of our increasingly technological society.

He also leads efforts related to Computing Education in the Division of Undergraduate Education including the Transforming Undergraduate Education in STEM (TUES) program which seeks to improve the quality of science, technology, engineering, and mathematics education for all undergraduate students.

Dr. Piotrowski co-manages the Advanced Technological Education (ATE) program targeting the education of technicians for the high-technology fields that drive our nation's economy, including cybersecurity professionals. The ATE program supports four cybersecurity centers. He is also a Program Officer in a new NSF-wide program Secure and Trustworthy Cyberspace (SaTC) supporting projects that address cybersecurity from one or more of three perspectives: Trustworthy Computing Systems; Social, Behavioral and Economics; and Transition to Practice; as well as proposals that focus on Cybersecurity Education.

Before coming to NSF, Dr. Piotrowski served as a Professor and Chair of the Computer Science Department at the University of Wisconsin-Superior. He previously held faculty positions at the North Dakota State University and at the Institute of Informatics in Poland.

Dr. Piotrowski has a 17-year experience in research, teaching and consulting in Information Assurance and holds several certifications including Certified Information Systems Security Professional (CISSP) and SANS Institute GIAC Incident Handler (GCIH). He is a graduate of the Federal Executive Institute (FEI) residency program "Leadership for a Democratic Society".

Dr. Piotrowski is the recipient of the Marcinkiewicz Prize by the Polish Mathematical Society, University of Wisconsin –Superior Teacher of the Year Excellence Award and a finalist of the UW Board of Regents Teaching Excellence Award.

2012 COLLOQUIUM

- [Agenda](#)
 - [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Debora A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)

You are here: [Home](#) ▸ [16th Colloquium](#) ▸ [Agenda](#) ▸ [Speakers](#) ▸ Donald T. Kneitel

DONALD T. KNEITEL



Donald T. Kneitel

Wednesday, June 13th at 9:00am

Donald Kneitel is the IBM Global Technology Services (GTS) Security Services Executive responsible for the Professional/Consulting Services (PSS) & Digital Video Surveillance/ Physical Security (DVS/PS) business & solutions across North America. This team provides security strategy, consulting, architecture, design, implementation & some managed services focused around security governance, risk & compliance, identity & access management, data & application security, video surveillance/physical security, and infrastructure & threat security.

Don has been with IBM for fourteen and a half years and has been a managing consultant, Principal, and Practice Leader for various professional services and consulting practices in GTS including networking, systems management, IT architecture, and business continuity & resiliency. For the past eight years Don has led a number of security services practices within IBM GTS, covering different territories and industries. The current organization Don manages focuses on security offerings and strategy delivered in North America, and consists of a black belt team of SME's that drives complex security solutions. Don's team supports the broader sales team of approximately 200 consultants delivering solutions to 500+ clients a year.

Prior to joining IBM, Don was the Director of Technical Services for five and a half years at the North Broward Hospital District, (now Broward Health). Prior to NBHD he worked for Shared Medical Solutions (now Siemens) for three and a half years developing complex healthcare financial applications and managing S/390 production support for SMS clients across the US. Prior to SMS, Don worked at HSBC's US bank for three years as the Operations Manager & lead systems analyst for cash management systems.

Don received his undergraduate business degree from Towson University in Finance/Marketing, and his MBA from Drexel University in Management Information Systems with some course work completed at FAU while he worked at NBHD.

2012 COLLOQUIUM

- [Agenda](#)
 - [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Debora A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)

You are here: [Home](#) ▸ [16th Colloquium](#) ▸ [Agenda](#) ▸ [Speakers](#) ▸ Mark Wolfgang

MARK WOLFGANG



Mark Wolfgang

Wednesday, June 12th at 10:30am

Mr. Wolfgang is the founder and CEO of Shorebreak Security, a veteran-owned Information Security consulting company. Prior to starting Shorebreak Security, he was a founding partner and Vice President of Information Security Services at SimIS, an Information Technology services company. At SimIS, Mr. Wolfgang built the Information Security business line from startup, to a successful business line with several prime Federal government contracts.

Mr. Wolfgang has over 19 years of experience in a wide range of positions to include training, management, system and network administration, and information security. He has spent the last 11 years focusing on Information

Security, primarily in the role of penetration tester. Prior to founding SimIS, Mark established himself as a noted expert within the U.S. Department of Energy Information Security community, where he specialized in conducting network security audits on some of the nation's most sensitive and critical networks.

Mr. Wolfgang is a contributing author to two published Information Security books, has been published on industry-leading websites, has presented at security conferences, and has brief high level government officials on a number of occasions. Prior to entering the Information Security consulting arena, Mark was an instructor at Red Hat, teaching a wide range of topics from system/network administration to host and network security. Mark also taught a number of topics for several years in the U.S. Navy. He is a Red Hat Certified Engineer (RHCE) and Certified Information Systems Security Professional (CISSP), holds a Bachelor of Science in Computer Information Systems from Saint Leo University.

2012 COLLOQUIUM

- [Agenda](#)
 - [Speakers](#)
 - [Dr. Ernest McDuffie](#)
 - [Debora A. Plunkett](#)
 - [Dr. Deborah Frincke](#)
 - [Michael A. Davis](#)
 - [Mark McKinnon](#)
 - [Dr. Corby Hovis](#)
 - [Dr. Victor Piotrowski](#)
 - [Donald T. Kneitel](#)
 - [Mark Wolfgang](#)
- [Sponsors](#)
- [Volunteers](#)
- [News & Updates](#)