

# THE CIP REPORT

## FY 2006 CIP Appropriations

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## Newsletter Editorial Staff

### Editors

Jessica Milloy  
Jeanne Geers

### Staff Writers

Amy Cobb  
Randy Jackson  
Colleen Hardy  
Maeve Dion

### JMU Coordinators

John Noftsinger  
Ken Newbold

### Publishing

Zeichner Risk Analytics

Contact: cipp01@gmu.edu  
703.993.4840

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This edition of *The CIP Report* provides an overview of the FY 2006 Homeland Security Appropriations Act, signed in October by President Bush. Congress integrated many of the changes recommended by Secretary Chertoff's Second Stage Review. We highlight funding for Infrastructure Protection / Information Security in the newly created Preparedness Directorate of the Department of Homeland Security. The text of the appropriations serves as a primer on the many critical infrastructure initiatives that the department has undertaken in such areas as outreach and partnership, critical infrastructure identification and evaluation, protective actions, and cyber security. We have included information on funding for the infrastructure security programs, as well as R&D funding for this critical field. We look forward to developments in the near future regarding the confirmation of an Under Secretary for Preparedness, as well as the naming of an Assistant Secretary for Cyber Security and Telecommunications.



**School of Law**  
CRITICAL INFRASTRUCTURE  
PROTECTION PROGRAM

In addition to the appropriations information, we also wanted to take the opportunity to highlight the many staff members that comprise the CIP Program, both at George Mason University and at our partner institution, James Madison University. The CIP Program has grown immensely over the past 3 years, and while some of our founding members have gone off to pursue new opportunities, we have added many new faces. We have included brief biographies of each staff member. For additional contact information, you can visit our website at <http://cipp.gmu.edu/biographies/>.

Also, included in the last pages of this issue is an invitation to our next Critical Conversation event, to be held on Tuesday, November 29 at the National Press Club. This event will be moderated by Frank Sesno and will feature former FEMA Director James Lee Witt in a discussion of preparedness, response and America's critical infrastructures in the aftermath of Hurricanes Katrina and Rita. We are still accepting reservations for the event, but space is limited. RSVP information is included on page 14.

Finally, the CIP Program would like to congratulate George Foresman on his nomination for the newly created Department of Homeland Security's Under Secretary of Preparedness. He has served as Assistant to the Governor in Virginia's Office of Commonwealth Preparedness and in this capacity has been the overall coordinator for homeland security, preparedness, and relations with military commands and installations throughout Virginia. Mr. Foresman has been very supportive of the CIP Program and has been a constant source of expertise on policy matters for our outreach and partnership initiatives.

John A. McCarthy  
Director, Critical Infrastructure Protection Program  
George Mason University, School of Law

## Critical Infrastructure Protection in 2006: Appropriations for the Department of Homeland Security

President Bush signed the FY 2006 Homeland Security Appropriations Act in October, increasing the DHS budget by 4.7% over FY 2005 funding. In total, with mandatory and fee-based programs, the DHS budget for FY 2006 is \$40.6 billion.

The legislation and accompanying conference report adopt many of the organizational changes proposed in the Second Stage Review process led by Secretary Chertoff earlier this year. (For more information on the 2SR, please see Issue 37 of *The CIP Report*.) Some of these changes include the establishment of an Office of Intelligence Analysis (created by separating and elevating the Information

Analysis component out of the former Information Analysis / Infrastructure Protection Directorate), and the integration of the Department's existing preparedness efforts, including planning, training, exercising, and funding into a single Preparedness Directorate. The new directorate will include the U.S. Fire Administration, Chief Medical Officer, Assistant Secretary for Cyber and Telecommunications Security, National Capital Region Director, and Assistant Secretary for Infrastructure Protection.

George Foresman, who serves as the Commonwealth of Virginia's point man for emergency and disaster preparedness, has been

nominated by the President to be Under Secretary for Preparedness at DHS. If confirmed, he will have a budget of \$4 billion for FY 2006 to enhance coordination and deployment of preparedness assets, facilitate grants and oversee nationwide preparedness efforts supporting first responder training, citizen awareness, public health, and critical planning functions to build capacity, protect critical infrastructure, and strengthen cyber systems.

Preparedness Directorate funding, which equals almost 10% of the total DHS budget, reserves \$625.5 million (or 15% of preparedness funds) for what Congress (*Continued, Page 3*)

### FY 2006 Homeland Security Appropriations Act Highlights

- Customs and Border Protection will receive \$5.95 billion in direct funds to strengthen border security with additional personnel, technology and infrastructure, including 1,000 new Border Patrol agents.
- Within Immigration and Customs Enforcement (ICE), the bill provides a total of \$3.9 billion in direct appropriations and fees. Significant increases in funding were provided for detention beds (\$90 million), Special Agents (\$42 million), fugitive operations teams (\$16 million), and Immigration Enforcement Agents (\$9 million).
- The Preparedness Directorate will receive \$4.0 billion to enhance coordination and deployment of preparedness assets, facilitate grants and oversee nationwide preparedness efforts supporting first responder training, citizen awareness, public health, and critical planning functions to build capacity, protect critical infrastructure, and strengthen cyber systems.
- The Act provides \$5.9 billion for the Transportation Security Administration, including \$443 million for explosive detection technology. Funding to support the Federal Air Marshals was transferred to TSA as proposed in the Second Stage Review recommendations.
- The Science and Technology Directorate is funded at \$1.5 billion. The bill provides \$23 million for the National Bio and Agrodefense Facility (NBAF) and consolidates research and development funds within S&T.
- The U.S. Coast Guard is provided with \$6.8 billion in funding, including \$933 million for the Coast Guard's Integrated Deepwater Program.

## Infrastructure Protection and Information Security Funding

<i>Management and Administration</i> .....	\$83,342,000
<i>Critical Infrastructure Outreach and Partnership</i> .....	\$112,177,000
<i>Critical Infrastructure Identification and Evaluation</i> .....	\$68,500,000
<i>National Infrastructure Simulation and Analysis Center</i> .....	\$20,000,000
<i>Biosurveillance</i> .....	\$14,100,000
<i>Protective Actions</i> .....	\$91,399,000
<i>Cyber Security</i> .....	\$93,349,000
<i>National Security / Emergency Preparedness Telecommunications</i> .....	\$142,632,000

**CIP Funding** (Cont. from Page 2) terms "Infrastructure Protection and Information security" (IPIS) programs. IPIS fund allocations are listed in the box above.

### Critical Infrastructure Outreach and Partnership

CIP outreach and partnership programs were allocated \$112 million in funding. This is one of the IPIS areas with the highest funding, reflecting congressional acknowledgement of the importance of public-private cooperation. The goals of the outreach and partnership programs include improving national planning, and enhancing outreach, education, training, and awareness. The Department accomplishes these efforts through programs such as the National Infrastructure Coordinating Center, which maintains operational awareness of the Nation's critical infrastructures and key resources and provides a mechanism and process for information sharing and coordination; the Protected Critical Infrastructure Information program, which provides assurance to the private sector companies that information voluntarily submitted to the

Department will be protected from release to the general public; the National Infrastructure Protection Plan, which provides the framework for implementing a coordinated, national infrastructure protection effort; and the Homeland Security Information Network - Critical Sector, which provides a secure national communication platform for all 13 critical infrastructure and 4 key resource sectors.

The House Committee report pointed out that the Department had failed to provide a requested report on Information Sharing and Analysis Centers. The Committee stressed that fully functional ISACs are critical to enhancing efforts to protect critical infrastructure, and without the report, Congress is unable to determine the level of ISAC support provided by the Department. The Committee thus recommended a \$5 million reduction to outreach and partnership programs due to lack of responsiveness to Congressional direction.

Almost half of the funding for outreach and partnership is allocated to the National Center for Critical Information Processing

and Storage (NCCIPS) for a data services center for critical infrastructure information, including development, operations, and maintenance of the Center. NCCIPS is to be housed at the John C. Stennis Space Center in Mississippi. The Center is required to submit a report on its progress no later than February 10, 2006.

### Critical Infrastructure Identification and Evaluation

Critical Infrastructure Identification and Evaluation (CIIE) programs received \$68.5 million. The mission of CIIE is to carry out comprehensive vulnerability assessments of critical infrastructure and key assets by identifying and analyzing assets and their vulnerabilities, developing protective methodologies and guidelines, and supporting special events. The CIIE funding includes \$7.5 million for a Comprehensive Review ordered by the House, and \$20 million for the National Asset Database.

Congress commended the work of the former Infrastructure Protection / Information Analysis (IA/IP) (Continued, Page 4)

**Congressman Harold "Hal" Rogers**  
**Chairman**  
**Subcommittee on Homeland Security**



Elected to Congress in 1980, Republican Congressman Harold "Hal" Rogers is currently serving his 13<sup>th</sup> term representing Kentucky's Fifth Congressional District. In his 25<sup>th</sup> year on Capitol Hill, Rogers has a reputation as a skillful insider with significant influence over federal budget policy in a wide range of areas.

A member of the House Appropriations Committee since his second term, Rogers assumed the chairmanship of the Subcommittee on Commerce, Justice, State and the Judiciary in 1995, when Republicans became the majority party in Congress. This placed him in the "College of Cardinals," the elite group of 13 House members who chair a House Appropriations Subcommittee and have jurisdiction over the \$820 billion in federal appropriations that fund the nation's government programs.

In January of 2003, Rogers' colleagues selected him to serve as the first chairman of the Subcommittee on Homeland Security, which is responsible for funding and oversight of the Department of Homeland Security (DHS). Under Rogers' leadership, the Subcommittee has overseen the successful integration of 22 legacy agencies into one unified structure at DHS. The Department is the third-largest cabinet agency behind the Departments of Defense and Veterans Affairs and is home to more than 180,000 employees. Security-related entities such as the Transportation Security Administration, Federal Emergency Management Service, Customs and Border Protection, Immigration and Customs Enforcement, Secret Service, and Coast Guard fall under the DHS umbrella. Rogers has a reputation for tough oversight and has repeatedly held the Department's feet to the fire. One of the strongest critics of wasteful spending by the Transportation Security Administration, Rogers continues pushing the agency to deliver the highest level of security in the most efficient and fiscally responsible manner possible. When concerns arose over funding for America's first responders, Rogers worked with the Department to streamline all grants into a "one-stop-shop" to simplify the process for states and localities. Rogers also wrote into law a provision requiring States to move at least 80-percent of their first responder formula grants to local governments within sixty days of receipt.

**CIP Funding** (*Cont. from Page 3*)

Directorate for its initial progress on the Comprehensive Review of commercial nuclear reactors and associated spent fuel storage facilities. This review process is designed to take a holistic approach to looking at individual commercial nuclear power plant security, general vulnerabilities, consequences of an attack, and associated local, State, and Federal preparedness and security plans. The review is to include representatives from the Nuclear Regulatory Commission, U.S. Coast Guard, Federal Aviation Administration, the Emergency Preparedness and Response Directorate, the Federal Bureau of Investigation, and local first responders and key officials. Comprehensive reviews will eventually be conducted across the Nation's seventeen critical infrastructure and key resource sectors, with the goal of reducing the Nation's vulnerability to terrorism. The additional \$7.5 million in this year's funding is to begin the expansion of the Comprehensive Review process beyond commercial nuclear power plants to other high value sectors, such as chemical and liquefied natural gas. The Preparedness Directorate is to provide a report (classified if necessary) on its progress no later than January 16, 2006, including progress to date, a summary of the findings, action plans for addressing vulnerabilities (especially spent nuclear fuel storage), and a plan for expansion to other high value sectors.

The National Asset Database (NADB) is a master database of all existing critical infrastructure in the country, compiled from federal, state, local, and private sector input. The database allows DHS to more easily identify the greatest points of (*Continued, Page 5*)

**CIP Funding** (Cont. from Page 4) vulnerability, assess existing levels of security, and increase protections as necessary.

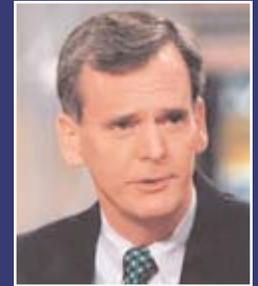
**National Infrastructure Simulation and Analysis Center**

The National Infrastructure

Simulation and Analysis Center (NISAC) was allocated \$20 million. The NISAC, developed by the Sandia and Los Alamos National Laboratories, provides advanced modeling and simulation capabilities for the analysis of critical infrastructures, their interdependencies, complexities, and the conse-

quences of disruption. These capabilities help improve the robustness of the nation's critical infrastructures by aiding decision makers in the areas of policy analysis, investment and mitigation planning, education and training, and near real-time assistance to crisis response organizations. (Continued, Page 6)

**Senator Judd Gregg  
Chairman, Homeland Security Appropriations Subcommittee**



In November 2004, U.S. Senator Judd Gregg was re-elected to a third term in the United States Senate, receiving the highest number of votes in any election in New Hampshire history.

The 109<sup>th</sup> Congress provides Senator Gregg a number of key leadership and committee positions that give him an influential voice in national affairs, including serving as both the Chairman of the Senate Budget Committee, and as Chairman of the Senate Appropriations Subcommittee on Homeland Security. Following his tenure as Chairman of the Senate Health, Education, Labor and Pensions Committee, Senator Gregg remains a senior member of the Senate HELP Committee. He will also retain his position on the Senate Appropriations Committee with seats on the Commerce, Justice and Science, Interior, Defense, Labor-Health-Education, and State and Foreign Operations subcommittees. On these committees, Senator Gregg impacts the national debate on such vital issues as overseeing the federal budget, homeland security and national defense, education, international affairs, law enforcement, Social Security, and health care.

Senator Gregg's second term accomplishments include working to secure our homeland and defend our nation against terrorism locally and nationally; promoting responsible federal spending; increasing America's energy independence; supporting policies that promote strong economic growth in New Hampshire and the nation; and protecting New Hampshire's environment. As the former Chairman of the Senate HELP Committee, Senator Gregg led efforts to author and pass the No Child Left Behind law, which focuses public education on making sure children are learning. Groundbreaking bioterrorism legislation; the reauthorization of our nation's special education law; initiatives to increase access to generic drugs; and providing health care to more Americans also passed under his leadership.

As the Chairman of the Senate Budget Committee in the 109<sup>th</sup> Congress, Senator Gregg's third term agenda includes a continuation of his work to create and pass a responsible and prudent federal budget so that our nation continues to protect our borders and military personnel while controlling federal spending.

As the Chairman of the Homeland Security Appropriations Subcommittee, Senator Gregg continues the work he began while serving as Chairman of the Appropriations Subcommittee on Commerce, Justice and Science. Senator Gregg has helped to ensure that state and local jurisdictions have the ability to detect, prevent, and respond to terrorism involving weapons of mass destruction. He has also focused on providing up-to-date technology and resources to local law enforcement officials to ensure the safety of communities throughout the country.

**CIP Funding** (Cont. from Page 5)**Chemical Facility Security**

The Department has already identified almost 300 chemical manufacturing facilities that could impact over 50,000 people if attacked, and over 3,000 manufacturing facilities that could impact over 1,000 people. Congress directed the Department to renew its focus and to develop a comprehensive national chemical security strategy by February 10, 2006 and to complete vulnerability assessments of the highest risk chemical facilities in the U.S. by December 2006. Facilities that pose the greatest threat to human life and the economy should be prioritized.

**Biosurveillance**

Biosurveillance, an interdepartmental program designed to improve the Federal government's capability to rapidly identify and characterize a potential bioterrorist attack, received \$14.1 million in appropriations. The former IA/IP Directorate's mission in this program was to integrate real-time biosurveillance data with relevant threat information into a comprehensive system that provides a real-time operating picture. The House Committee expressed concern over the IA/IP's failure to provide a requested report on the scope, cost, schedule, and key milestones for its portion of the Biosurveillance initiative. The Committee thus recommended a \$1 million reduction in funding.

**Protective Actions**

The Protective Actions program received \$91.4 million in funding. This program works with Federal, State, local, and private sector organizations to implement protection strategies, such as buffer zone protection plans, to protect infrastructure and assets from attack. The program provides training to State Homeland Security Advisors and their State and local law enforcement personnel on how to protect their own critical infrastructure sites in a more effective and consistent manner.

**Cyber Security**

The legislation provided \$93.3 million toward cyber security, including \$30 million for National cyber security exercises and outreach. Congress expressed strong support of cyber partnerships among federal, state, and local agencies, and the private sector that demonstrate the ability to transfer technologies from federal laboratories and package them as tools, training, and technical assistance to meet and enhance the demands of federal, state, and local end users. Included in the amount provided is the budget request for the United States Computer Emergency Readiness Team operations.

**Counterterrorism Fund**

The Counterterrorism Fund of \$2 million is for unbudgeted and unanticipated costs associated with support to counter, investi-

gate, or pursue domestic or international terrorism, and to re-establish the operational capability of an office, facility, or other property damaged or destroyed as a consequence of any domestic or international act of terrorism. Fund may be used for reward payments, and also for the costs of officially designated National Special Security Events. There is a Departmental requirement to notify the Congressional Committees on Appropriations upon the designation of a National Special Security Event. The written notification is to include the following information: location and date of the event, federal agencies involved in the protection and planning of the event, the estimated federal costs of the event, and the source of funding to cover the anticipated expenditures.

**National Security / Emergency Preparedness Telecommunications**

The National Security / Emergency Preparedness (NS/EP) Telecommunications program received \$142.6 million in funding. This program supports national security and emergency preparedness communications for the Federal, State, local, and tribal governments, and private industry. NS/EP communications enable the Government to make an immediate and coordinated response to all emergencies, whether caused by a natural disaster, such as a hurricane, an act of domestic terrorism, such as the Oklahoma City bombing and the (Continued, Page 15)

## Critical Infrastructure Protection Program Staff Biographies

*The CIP Program has grown and changed dramatically over the course of the past few years, adding new members and expanding research teams, even as some of our founding members move on to new opportunities. This edition of The CIP Report highlights the individuals at both George Mason University and James Madison University that comprise this program, and the duties they perform.*

**John McCarthy**  
Director and Principal Investigator



John A. McCarthy is Director and Principal Investigator of the CIP Program. Prior to joining the CIP Program, McCarthy was a Director in KPMG LLP's Mid-Atlantic Risk and Advisory Services Practice. His government experience includes service as a member of the professional staff of the Critical Infrastructure Assurance Office (CIAO) as well as a Deputy Director and Chief of Staff of the National Y2K Information Coordination Center. He served more than 20 years as a commissioned officer in the U.S. Coast Guard, holding a wide variety of demanding field command and senior staff positions. McCarthy holds a B.A. from The Citadel - Military College of South Carolina and an M.S. in Information Resource Management from Syracuse University. He is also a graduate of the National Defense University—Information Resource Management College and the U.S. Naval War College - Command and Staff College.



**Trudi Bick**  
Project Coordinator

As Project Coordinator, Trudi Bick provides analytical and logistical support to the critical infrastructure sector coordinating councils. In her previous professional experience, Ms. Bick was the Manager of Regulatory Affairs for Water Environment Federation, and held a variety of positions in the Superfund program at the U.S. Environmental Protection Agency. Ms. Bick has a B.S. in environmental science from Rutgers University.



**Josephine Burton**  
Assistant to the Director

Jo serves as administrative assistant to the Director of the CIP Program. She has over 25 years of executive support experience and holds associate degrees in both Medical Office Procedures and Marketing. Jo is certified as a Microsoft Office User Specialist (MOUS) in MS Word.

**James Creel**  
Research Associate

James recently joined the Private Sector Program team, providing research and analysis support. Prior to this move, he was an integral component of the National Capital Region Project at the CIP Program. A graduate of Virginia Tech in International



Studies, James studied abroad in Europe and speaks both Turkish and Spanish. Previously, he worked as an IT consultant for the AARP board of directors in Washington, D.C. He is pursuing a Master's Degree in Political Science at George Mason University.

**Larry Clark**  
Public Sector  
Liaison

Mr. Clark is the Public Sector Liaison, joining the project team in March 2005.



He started his public service career in 1975 when he enlisted in the U.S. Coast Guard. He retired as a lieutenant commander after twenty years of service which included operations afloat, port safety, port security, and readiness planning assignments. In 1998 Mr. Clark accepted a position with Research Planning, Inc. conducting weapons of mass destruction exercises in major U.S. cities. He had a significant role in planning and executing Arlington County's after-action report on the 9/11 Pentagon attack. In March 2003 he joined the Coast Guard's Port Security Assessment Team and in January 2004 accepted a position with the Office for Domestic Preparedness (ODP), Department of Homeland Security. Mr. Clark holds a BA in Journalism from San Jose State University.

**Maeve Dion**  
Legal Research Associate



Maeve Dion is a Legal Research Associate in the Law and Economics section of the CIP Program. Maeve holds a B.A. in political science from Eckerd College, and she is currently pursuing a J.D. at George Mason University School of Law. While attending law school, Maeve has interned in

the Civil Division of the Senate Judiciary Committee, and she also provides regular case law summaries for legal practitioners wanting updates on federal courts' application of the Daubert trilogy precedents. Maeve's career experience includes teaching, writing/editing, and project management for a technology start-up company.

**Meghann Rother**  
Assistant Program Coordinator, Private Sector Programs

Meghann Rother is an Assistant Program Coordinator for the CIP Program. Her background includes research at the Center for American Politics and Public Policy and work abroad with non-governmental organizations. Prior to joining George Mason University, she worked for Connex North America, a French transportation firm. Ms.

Rother holds degrees from the University of Washington and l'Institut d'Etudes Politiques de Paris. She is currently pursuing graduate studies at Johns Hopkins University in Washington, D.C.



Dr. Emmons is presently the Principal Research Associate. She initiates and supervises research projects and assesses findings of other universities and critical infrastructure experts on the various research projects conducted by the CIP Program office. Prior to joining George Mason University, Dr. Emmons was a Professor of Information Management at the National Defense University. In that position, she developed and taught courses in national policies for Critical Infrastructure Protection and Cyber Security and federal compliance and response. She also taught Cyber Ethics, Enterprise Integration, and Information Security Program planning and policy development. Her major fields of research focused on strategic planning, leadership and organizational responses in public organizations. She also served as Chair of the Information Strategies Department where she was responsible for a faculty of 12 Ph.D.s and other senior federal information systems professionals. Retiring from the federal government with over 24 years of service, other federal positions included project supervisor for deploying the Department of Defense's secure information systems (SIPRNet) for law enforcement organizations and program analyst for the Department of Energy's alternative energy, conservation and solar programs. Dr. Emmons has also worked in Germany with the U.S. Army, and she currently holds an active Top Secret/SSBI security clearance. Kathy has an MBA from Boston University, an MA from Trinity University, and a PhD in Public Policy from George Mason University.



**Kathy Emmons**  
Principal Research Associate



**Colleen Hardy**  
Senior Legal Research Associate

Colleen E. Hardy is a Senior Legal Research Associate in the Law and Economics section of the CIP Program. She conducts research on legal and economical issues. Ms. Hardy received her Juris Doctor from George Mason University School of Law. Currently, she is working on her Ph.D. in Biodefense, with a concentration in Counterterrorism and Law Enforcement, from George Mason University.

**Kim Holmes**  
Project Assistant, Budget



Kimberly S. Holmes assists with the preparation and management of grant funds. Kimberly graduated from George Mason University with an undergraduate degree in English. She has taken several undergraduate courses in Accounting. Previously, she worked as an Accounting Services Coordinator for Prince William County Government and is a returning employee to George Mason University. She worked as a Restricted Funds Accountant for George Mason University in the General Accounting Department.



**D. Randall Jackson, Senior Legal Research Associate**

D. Randall Jackson is a Senior Legal Research Associate in the Law and Economics section of the CIP Program. He provides research and administrative support for projects undertaken under the rubric of Law and Economics, acts as a liaison to researchers within the Law School and is the CIP Program representative to the Institute for Information Infrastructure Protection. Randy holds a J.D. from the George Mason School of Law as well as an M.A. from Johns Hopkins SAIS, a Diploma from the London School of Economics and a B.A. from Amherst College.



**Rod Nydam**  
Associate Director  
Private Sector  
Programs

Rod Nydam is an Associate Director and manages the Private Sector Programs project which includes providing analytical, academic and administrative support related to cross sector and interdependency issues related to the private sector owners and operators of critical infrastructure. This work focuses legal, economic, business and cultural solutions to enable the private sector to enhance critical infrastructure protection both through private initiatives and working with the government. The Private Sector Program group provides assistance to private industry Sector Coordinators, Information Sharing and Analysis Centers and other groups with respect to Homeland Security issues. The group also provides liaison services between the Department of Homeland Security and the private sector. Prior to joining GMU Law School, Rod was a corporate attorney for 17 years was a partner at Howrey & Simon LLP and McGuireWoods LLP where he focused on corporate governance, mergers & acquisitions, international, security and regulatory matters. Rod has a B.A. in Economics from Cornell University and a J.D. from Cornell University Law School.



**Jessica Milloy**  
Special Assistant to the Director

Jessica M. Milloy is currently the Special Assistant to the Director and Co-Editor of *The CIP Report*. Ms. Milloy received her B.A. in English and Secondary Education, with a teaching license in Secondary Education, in 2001 and an M.S.Ed. in Adult Education/Human Resource Development in 2003, both from James Madison University. Upon completing her Master's Degree, Ms. Milloy worked for the Institute of Infrastructure and Information Assurance (IIIA) at James Madison University as the National Capital Region Project and Marketing Coordinator.



**Christine Pommerening**  
Post-Doctoral Fellow

Christine Pommerening is a Post-Doctoral Fellow at the CIP Program. She received her Ph.D. in Public Policy from George Mason University, and holds an M.A. in Sociology from Ruhr-Universität Bochum in Germany. Her research focuses on the development of regional and international governance structures for new technologies, and organizational and institutional theory. She has worked in research projects evaluating and implementing EU structural fund programs, public and private sector coordination, and regional economic development.



**Amy Cobb**  
Senior Project Associate

Amy Cobb is the events and office logistics manager (Senior Project Associate). Her background is in educational events management, project management and high level customer service. She received her B.A. degree in psychology with a minor in women's studies from Douglass College at Rutgers, the State University of New Jersey.

**Carrie Wetzel**  
Senior Research Associate, Private Sector Programs



Carrie Wetzel is a Senior Research Associate. She provides research, analysis and coordination for CIPP's Private Sector Programs. Prior to joining George Mason University, Ms. Wetzel worked for Titan Corporation as an analyst in the Emergency Management Division. Her background also includes work with public television and the internet industry. Ms. Wetzel holds an M.A. in International Communication from American University, School of International Service.

**Lynda Singletary**  
Project Coordinator



Lynda Singletary is a Project Coordinator at the CIP Program. She provides research, analysis and coordination for CIPP's Private Sector Programs, Food and Agricultural Sector. Prior to joining George Mason University, Ms. Singletary worked for Titan Corporation as a Program Manager in the Emergency Management Division with FEMA and HHS on national preparedness initiatives. Her background also includes work in science and technology consulting and research. Ms. Singletary has a B.A. in Journalism from the University of Oregon and is pursuing an M.A. in International Communication from American University, School of International Service.

**Roger V. Skalbeck**  
Technology Projects Administrator



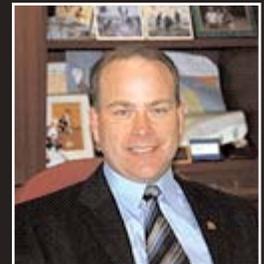
Roger Skalbeck runs the website for the CIP Program, and he administers online technology projects. His background is in legal research and information management. Roger has over a decade of experience as a systems librarian in the legal environment, having worked at five law firms prior to coming to George Mason University. He has written several articles on information technology management and legal research services, including reviews in print and online. Roger is fluent in German, and he holds a Bachelor's Degree in German Studies from Macalester College. In 1996, he received a Master of Library and Information Science degree from Dominican University, and in May 2005 he was awarded a Juris Doctor degree from George Mason University School of Law.



**Sallie McDonald**  
**Visiting Scholar to the CIP Program**

Sallie McDonald has recently joined the CIP Program as a Scholar in Residence on detail from the Department of Homeland Security's Information Analysis and Infrastructure Protection Directorate (IAIP). For the past several years, Sallie has been responsible for the Federal Computer Incident Response Center (FedCIRC) which on March 1, 2003, was transferred to DHS from the General Services Administration. FedCIRC is the Federal Government's focal point for computer security incident recognition, reporting, handling and prevention. Sallie is an active participant in the Cyber Security community at the highest levels of government and has participated in the evolving face of Critical Infrastructure Protection. She has testified on cyber security issues numerous times to both the Senate and the House. She also serves on the National Institute of Standards and Technology's, Information Security and Privacy Advisory Board, which examines issues affecting the security and privacy of sensitive (unclassified) information in federal computer and telecommunications systems. Sallie is a graduate of Harvard's Senior Executive Fellows Program and the Federal Executive Institute. Sallie attended the University of Miami and received a Master of Public Administration from American University.

**Dr. John B. Noftsinger**  
**Associate Vice President and Executive Director**  
**Institute for Infrastructure and Information Assurance**  
**James Madison University**



As Associate Vice President of Research and Public Service at James Madison University, Dr. John B. Noftsinger has been an innovative leader in developing science and technology policy and economic development in the Shenandoah Valley and across the Commonwealth. In 2002, Dr. Noftsinger's state-wide leadership was recognized when he was appointed co-chair of the Virginia Research and Technology Advisory Commission (VRTAC), which advises Governor Warner on appropriate research and technology strategies. Dr. Noftsinger has facilitated more than 12 million dollars in externally funded programs since beginning employment at JMU in 1989. He was a principal in conceiving and implementing the Institute for Infrastructure and Information Assurance (IIIA) at JMU where he serves as the Executive Director. In this leadership role he has established the organization as a national leader in homeland security research and development. Dr. Noftsinger was instrumental in the development of the Institute for Defense and Homeland Security, which is Virginia's coordinating entity for homeland security research and development. He has spearheaded the successful development, funding, and implementation of a variety of key programs at JMU including: Critical Infrastructure Protection Project, Mine Action Information Center, Shenandoah Valley Technology Council, Virginia's Manufacturing Innovation Center, Shenandoah Valley Partnership, Workforce Information Network (WIN), Civil War Institute, Valley of Virginia Partnership for Education, William R. Nelson Institute for Public Affairs, and the Shenandoah Valley Business Gateway.

**Dr. George H. Baker**  
Associate Director - Institute for  
Infrastructure and Information Assurance,  
James Madison University



Dr. Baker was instrumental in organizing JMU's Institute for Infrastructure and Information Assurance (IIIA) and now serves as Associate Director for Infrastructure Research. He is JMU's PI on the National Capital Region Infrastructure Assessment Program. He recently participated on the Congressional EMP Commission. Baker is former director (1996-1999) of the Defense Threat Reduction Agency's Springfield Research Facility, a national center for critical system vulnerability assessments. Much of his career was spent at the Defense Nuclear Agency (DNA) leading national programs in nuclear protection, underground testing and standards development. He is a member of the NDIA Homeland Security Executive Board, the Institute of Electrical and Electronic Engineers, the Directed Energy Professional Society (Charter Member), and the Association of Old Crows. He is an EMP Fellow and holds a Ph.D. from the U.S. Air Force Institute of Technology.

**H. Taz Daughtrey**  
Associate  
Director  
Institute for  
Infrastructure  
and  
Information  
Assurance  
James Madison University



Taz Daughtrey is a member of the Computer Science faculty at James Madison University and Associate Director for Software Development at JMU's Institute for Infrastructure and Information Assurance. An experienced educator, consultant, and technical expert in software engineering, quality management, and process improvement, Taz was the founding Editor-in-Chief of the American Society for Quality's peer-reviewed journal SOFTWARE QUALITY PROFESSIONAL. Daughtrey has been an instructor for public and on-site Software Quality Engineering courses and has conducted nearly one hundred classes on various software topics for different clients throughout the U.S., Canada, Japan, England, Russia, and Germany. Taz holds two University of Virginia degrees: B.S. in Physics with Honors and M.Ed. in Science Education. He also was a Weaver Fellow in graduate studies in the History and Philosophy of Science program at Princeton University.

**Dr. Ruben Prieto-Díaz**  
Associate Director - Institute for  
Infrastructure and Information Assurance  
James Madison University



Dr. Prieto-Díaz reviews research proposals submitted to the Institute for Infrastructure and Information Assurance (IIIA) and supervises all research projects related to information assurance. He is currently supervising and overseeing seven research projects. Dr. Prieto-Díaz is an internationally known authority in software reusability, reuse libraries, domain analysis, process design, and software productivity. His most original and far-reaching contribution to computer science is the notion of multi-faceted based analysis. Dr. Prieto-Díaz introduced domain analysis and associated reuse programs in several organizations. He designed, monitored, and adjusted the process whereby an international bank creates an enterprise data model. Dr. Prieto-Díaz has won DARPA, Army, and Department of Commerce research contracts for developing systematic software management, reuse and domain analysis support tools. He created a model for the development and operation of reuse libraries for DARPA's STARS Program, and a method and tool for deriving generic architectures from systems descriptions.



***You are Cordially Invited to...***

*The Sixth in a Series of Critical Conversations on Infrastructure Protection*

## ***After the Storms: Repairing the Damage***

**A conversation featuring former FEMA director James Lee Witt.**

Afterwards, he will participate in a panel discussion on preparedness, response, and America's critical infrastructures with panelists:

*Dennis Barbour, Mayor, Town of Carolina Beach, North Carolina  
J. Michael Hickey, VP of Gov't Affairs for National Security Policy, Verizon  
Catherine Allen, CEO, BITS Financial Services Roundtable*

Tuesday, November 29, 2005  
Continental Breakfast: 9:00 a.m.  
Newsmaker Discussion: 9:30 - 11:00 a.m.

The National Press Club / The Ballroom  
529 14th Street, N.W. / Washington, D.C.

R.S.V.P. (703) 993-4722  
Please note that seating is limited.

**Moderated by  
Frank Sesno**

University Professor of Public Policy and Communication  
Senior Fellow, Critical Infrastructure Protection Program

*The CIP Program, a joint effort between George Mason University School of Law and James Madison University, seeks to fully integrate the disciplines of law, policy, and technology for enhancing the security of cyber-networks, physical systems and economic processes supporting the nation's critical infrastructures. The CIP Program is funded by a grant from the National Institute of Standards and Technology (NIST). More information on the CIP Program can be found at <http://cipp.gmu.edu>*

**CIP Funding** (Cont. from Page 6)  
September 11th attacks, a man-made disaster, or a cyber attack. NS/EP communications allow the President and other senior Administration officials to be continually accessible, even under stressed conditions.

## Research and Development

In addition to the IP/IS funds

appropriated to the Preparedness Directorate, Congress also funded the Science and Technology Directorate with \$40.8 million in CIP research and development. The legislation recommends that \$20 million of this is used to support existing work in research, development and application of technology for community based critical infra-

structure protection efforts. Congress expressed concern that the Department lacks appropriate assessment tools to help prioritize security risks for critical infrastructure and urged the Science and Technology Directorate to examine well-established scientific analysis tools commonly used in engineering and design, including six sigma analysis. ❖



### THE HONORABLE GEORGE WILLIAMSON FORESMAN Assistant To The Governor For Commonwealth Preparedness

The President has nominated George W. Foresman, of Virginia, to be Under Secretary for Preparedness at the Department of Homeland Security. This position was previously titled Under Secretary for Information Analysis and Infrastructure Protection. George W. Foresman currently serves as Assistant to the Governor for Commonwealth Preparedness, a Cabinet level position. In this capacity he is the principal advisor and overall coordinator for homeland security, preparedness, and relations with military commands and installations throughout Virginia.

Foresman chairs the Secure Commonwealth Panel and leads the Governor's related initiative responsible for strengthening Virginia's security and preparedness for emergencies and disasters of all kinds, including terrorism. He serves as Virginia's principal liaison with the White House, Congress, U.S. Department of Homeland Security, and other federal entities to coordinate homeland security policy and programs as well as obtaining resources.

Foresman is a nationally recognized expert on emergency preparedness and homeland security. He was a member and vice-chair of the Advisory Panel to Assess Domestic Response Capabilities Involving Terrorism, established by Congress in 1998 to evaluate America's readiness for terrorism. The Panel delivered five annual reports to the Congress and President before completing its work in December 2003. More than 125 of the Panel's 144 recommendations have been adopted in part or whole. He frequently is solicited for consultation on national policy issues.

Mr. Foresman is a graduate of the Virginia Military Institute as well as the Virginia Executive Institute.

The CIP Program is directed by John A. McCarthy, a member of the faculty at George Mason University School of Law. The CIP Program works in conjunction with James Madison University and seeks to fully integrate the disciplines of law, policy, and technology for enhancing the security of cyber-networks, physical systems and economic processes supporting the nation's critical infrastructure. The CIP Program is funded by a grant from The National Institute of Standards and Technology (NIST).

*The CIP Report* is published by Zeichner Risk Analytics, LLC on behalf of the CIP Program. ZRA is the leading provider of risk and security governance knowledge for senior business and government professionals. ZRA's vision is to be a consistent and reliable source of strategic and operational intelligence to support core business processes, functions, and assurance goals.

If you would like to be added to the distribution list for *The CIP Report*, please click on this link:  
[http://techcenter.gmu.edu/programs/cipp/cip\\_report.html](http://techcenter.gmu.edu/programs/cipp/cip_report.html).