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4. Frincke, DA. Panelist/speaker, “DOE CyberSecurity: The Big Picture”, AMAST, July 2009.
5. Frincke, DA. Panel Moderator, “Plenary Speakers”, CISSR, March 2009.
6. Frincke, DA, NSF Town Hall Meeting on GENI; Steering Committee, *National Science Foundation’s GENI and Security*, UC Davis, CA January 2009. Also facilitator, Infrastructure Protection breakout session.
7. Frincke, DA, Panel member, “Practical Problems in Security and Privacy,” ASCAC, December 2008.
8. Frincke, DA, Guest speaker, Dagstuhl Seminar: Countering Insider Threat, Practical Issues for “Doing” Scientific Insider Threat Research in Sensitive Environments, Dagstuhl, Germany, July 21, 2008.
9. Frincke, DA, Panel Moderator: *Cyber Security Research Agenda: Setting Goals Department of Energy Mathematics for the Analysis of Petascale Data* Workshop, Washington, D.C., June 2008.
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<http://www.federalnewsradio.com/?sid=1945786&nid=19>
6. Frincke DA, and JR Johnson. 2009. "Getting Ahead of the Threat: Cyber Security Science at the Exascale Frontier." [PNNL-SA-69530] Pacific Northwest National Laboratory, Richland, WA.
7. Maiden WM, BA Akyol, SL Clements, BT Didier, TW Edgar, GA Fink, JN Haack, MD Hadley, N Lu, AD McKinnon, CS Oehmen, and SJ Ouderkirk. 2009. "Cyber Security Research Recommendations for Discussion at the Talaris Grass Roots Round Table on

Cyber Security." [PNNL-SA-68116] Pacific Northwest National Laboratory, Richland, WA.

8. Oehmen CS. 2010. "MAC laboratory capabilities and research." [PNNL-SA-73285] Pacific Northwest National Laboratory, Richland, WA.

1.9 Presentations

1. Bishop M, C Gates, DA Frincke, and FL Greitzer. 2009. "AZALIA: an A to Z Assessment of the Likelihood of Insider Attack." Presented by Bishop, Matt at 2009 IEEE International Conference on Technologies for Homeland Security, Waltham, MA on May 11, 2009. [PNNL-SA-66271]
2. Bond LJ. 2010. "Nondestructive Examination (NDE) and On-Line Monitoring." Presented by Leonard J Bond at Light Water Reactors Program Review, San Diego, CA on June 17, 2010. [PNNL-SA-73418]
3. Bond LJ. 2010. "Plant Life Extension and Proactive Management of Materials Degradation (PMMD) and The International Forum for LWR Aging Management." Presented by Leonard J Bond (Invited Speaker) at PLIM & PLEX USA, Chicago, IL on September 28, 2010. [PNNL-SA-75192]
4. Bond LJ, and P Ramuhalli. 2010. "Status Report TAG# 3:Prognostics and Structural Material Integrity." Presented by Leonard Bond (Invited Speaker) at IAEA Coordinated Research Project on Advanced Surveillance, Diagnostics, and Prognostics Techniques, Richland, WA on June 7, 2010. [PNNL-SA-73265]
5. Bruce JR, GA Fink, and NO Cramer. 2010. "Vulcan: Unexpressed Communication." Presented by Joe Bruce at Client Visit, Richland, WA on August 25, 2010. [PNNL-SA-74681]
6. Carroll TE, D Grosu. 2010. "Incentive Compatible Online Scheduling of Malleable Parallel Jobs with Individual Deadlines." Presented by Carroll, Thomas at the 39th International Conference on Parallel Processing (ICPP), San Diego, CA on September 16, 2010. [PNNL-SA-75113]
7. Carroll TE, PR Paulson, FL Greitzer, RE Hohimer, and L Franklin. 2010. "Reasoning About the Insider Threat." Presented by Thomas E. Carroll at IEEE Symposium on Security and Privacy 2010, Oakland, CA on May 18, 2010. [PNNL-SA-72801]
8. Chen Y, and FL Greitzer. 2010. "Contingency Analysis and Visualization." Presented by Yousu Chen (Invited Speaker) at BPA visit, Richland, WA on June 4, 2010. [PNNL-SA-73175]
9. Chen Y, and Z Huang. 2010. "An Advanced Framework for Enabling Electricity Infrastructure Real-Time Decision Support." Presented by Yousu Chen at Second

International Conference on Computational Sustainability, Cambridge, MA on June 30, 1010. [PNNL-SA-73598]

10. Chen Y, Z Huang, PS Mackey, CH Allwardt, J Ma, and FL Greitzer. 2010. "An Advanced Visual Analytic Decision Support Tool for Electricity Infrastructure Operations." Presented by Yousu Chen (Invited Speaker) at The Fourth Annual IFIP WG 11.10 International Conference on Critical Infrastructure Protection, Fort McNair, DC on March 16, 2010. [PNNL-SA-71450]
<http://www.thei3p.org/events/ifip2010.html>
11. Copley WD, and D Frincke. 2007. "The Professors Dilemma: Finding Successful Collaboration Strategies." Presented by Wilhelmina D. Copley at DHS Internship presentation, Richland, WA on August 17, 2007. [PNNL-SA-56815]
12. Edgar TW, DO Manz, and PA Boyd. 2011. "Water Substation Demonstration." Presented by David O. Manz at DETER/DEFT group meeting, Las Angeles, CA on January 25, 2011. [PNNL-SA-77344]
13. Edgar TW. 2010. "Cryptographic Trust - CEDS Peer Review." Presented by Mark D. Hadley (Invited Speaker) at CEDS Peer Review 2010, Alexandria, VA on July 21, 2010. [PNNL-SA-74014]
14. Endicott-Popovsky B, DA Frincke, DJ Nordwall. 2010. "Center for Information Assurance and Cybersecurity." Presented by B Endicott-Popovsky, AK Malviya and J Narvaez at Microsoft Research in Redmond, WA on May 27, 2010. [PNNL-SA-73775]
15. Eltoweissy MY. 2010. "Towards Trustworthy Shared Sensor-Actuator Networks," Presented by Mohamed Eltoweissy (Invited Speaker) at the CSIIR '10 (Cyber Security and Information Intelligence Research Workshop), Oakridge, TN on April 21, 2010. [PNNL-SA-71825]
16. Fink GA, and AD McKinnon. 2011. "DigitalAnts - An ant-inspired cyber defense for large, multi-enclave organizations." Presented by Glenn Fink, PhD and David McKinnon, PhD at Israeli Visit 1/31/11, Richland, WA on January 31, 2011. [PNNL-SA-77465]
17. Fink GA. 2010. "Digital Ants and other Cyber Research @ PNNL." Presented by Glenn Fink, Ph.D. (Invited Speaker) at No conference or workshop; visiting Wake Forest University, Winston-Salem, NC on November 2, 2010. [PNNL-SA-76290]
18. Fink GA, JN Haack, WM Maiden, EW Fulp, and AD McKinnon. 2010. "Digital Ants Research Aims to Spoil Malware's Picnic." Presented by Glenn Fink, Jereme Haack (Invited Speaker) at EMSL Brownbag lecture series, Richland, WA on May 19, 2010. [PNNL-SA-72782]

19. Fink GA. 2009. "Cyber Analytics: Challenges and Solutions for Computer Security." Presented by Glenn Fink at SIAM Conference on Computational Science and Engineering, Miami, FL on March 2, 2009. [PNNL-SA-64942]
20. Fink GA, NC Rowe, and D Grosu. 2008. "Active Deception for Military Operational Computers." Presented by Glenn Fink at Phoenix Challenge Conference, Spring 2008, San Antonio, TX on April 2, 2008. [PNNL-SA-58886]
21. Fink GA, NC Rowe, and D Grosu. 2008. "Computerized Adaptive Deception for Information Operations." Presented by Glenn Fink at Phoenix Challenge 2008, Monterey, CA on April 3, 2008. [PNNL-SA-59498]
22. Fink GA. 2007. "Nontraditional Approaches to Information Security (Presentation to OSD)." Presented by Glenn Fink (Invited Speaker) at Invited brief to Dr. Charles Perkins, OSD, Washington, DC on July 20, 2007. [PNNL-SA-57276]
23. Fink GA. 2007. "Nontraditional Approaches to Cyber Security." Presented by Glenn Fink at IT Day 2007, Kennewick, WA on May 9, 2007. [PNNL-SA-55217]
24. Fink GA. 2007. "Who's the Boss? Autonomics and New-Fangled Security Gizmos with Minds of Their Own. An Invited talk for USENIX LISA 2007." Presented by Glenn Fink (Invited Speaker) at USENIX LISA 2007, Dallas, TX on November 14, 2007. [PNNL-SA-57637]
25. Fink GA. 2007. "Who's the Boss? Autonomics and New-Fangled Security Gizmos with Minds of Their Own. An Invited talk for USENIX LISA 2007." Presented by Glenn Fink (Invited Speaker) at How do humans stay in the loop when autonomics seems to be pushing them out all the time? What do you do with a system d, Dallas, TX on November 14, 2007. [PNNL-SA-57967]
26. Fink GA, and BJ Carpenter. 2007. "Visual Packet-Process Correlation for Computer Security." Presented by Glenn Fink (Invited Speaker) at Canadian CVAC group visit to PNNL, PNNL Richland campus, WA on April 4, 2007. [PNNL-SA-54702]
27. Fink GA. 2006. "Visualization and Usability for Computer Security." Presented by Glenn Fink at USENIX LISA '06, Washington, D.C., on December 7, 2006. [PNNL-SA-53068]
28. Fink GA, V Duggirala, R Correa, and C North. 2006. "Bridging the Host-Network Divide: Survey, Taxonomy, and Solution." Presented by Glenn A. Fink at 20th USENIX Large Installation Systems Administration conference (LISA '06), Washington, D.C., on December 7, 2006. [PNNL-SA-53558]
29. Frincke DA. 2010. "“You want to do what????, Virtually Yours: Cyber Security in Our Brave New World”." Presented by Deborah Frincke (Invited Speaker) at Borah Symposium, Moscow, ID on April 6, 2010. [PNNL-SA-71981]

30. Frincke DA. 2008. "Practical Issues for "Doing" Scientific Insider Threat Research in Sensitive Environments." Presented by Deborah Frincke (Invited Speaker) at Dagstuhl Seminars: Countering Insider Threat, Dagstuhl, Germany on July 21, 2008. [PNNL-SA-61241]
31. Frincke D. 2007. "Transforming CyberSecurity: Comments on DOE CyberSecurity Research Proposal." Presented by Deborah Frincke (Invited Speaker) at DOE-Office of Science Briefing, Washington, DC on October 18, 2007. [PNNL-SA-57639]
32. Frincke D. 2006. "Securing Open Science." Presented by Deb Frincke, Troy Thompson, John Burnette (Invited Speaker) at Onsite presentation to client, Richland, WA on December 7, 2006. [PNNL-SA-53071]
33. Frincke DA, C Catlett, E Talbot, and B Worley. 2008. "Transforming DOE Cyber Security *A Science-Based Approach, a report from the grass-roots cybersecurity community*." Presented by Deb Frincke, Charlie Catlett, Ed Talbot, Brian Worley (Invited Speaker) at ASCR meeting, Washington D.C. on February 28, 2008. [PNNL-SA-59425]
34. Frincke DA, and JM Anderson. 2010. "Meeting Face(book) to Face: CyberSecurity in Our brave New World." Presented by Deb Frincke (Invited Speaker) at University of Washington, INSR, Seattle, WA on January 21, 2010. [PNNL-SA-70458]
35. Frincke DA, and JM Anderson. 2010. "Virtually Yours: CyberSecurity in Our Brave New World." Presented by Deb Frincke (Invited Speaker) at 2010 Borah Symposium at the University of Idaho, Moscow, ID on April 5, 2010. [PNNL-SA-71171]
36. Fulp EW, GA Fink, JN Haack, and WM Maiden. 2008. "Predicting Computer System Events using Support Vector Machines." Presented by Errin Fulp at USENIX LISA 2008, San Diego, CA on November 12, 2008. [PNNL-SA-61766]
37. Fulp EW, JN Haack, WM Maiden, and GA Fink. 2008. "Cooperative Infrastructure Defense." Presented by Glenn Fink at 2008 Workshop on Visualization for Security (VizSEC), Cambridge, MA on September 15, 2008. [PNNL-SA-61740]
38. Greitzer FL, and RE Hohimer. 2011. "Insider Threat: Protecting the enterprise against information leakage and internal cyber security threats (Presentation)." Presented by Frank L. Greitzer (Invited Speaker) at None, Washington, DC, DC on January 27, 2011. [PNNL-SA-77393]
39. Greitzer FL. 2010. "Insider Threats." Presented online by Frank Greitzer via the University of Hawaii online course ICS425, Computer Security and Ethics in HI on July 15, 2010. [PNNL-SA-73811]

40. Greitzer FL. 2010. "Insider Threat Behavior." Presented by Frank Greitzer at the Workshop on Accelerated Learning to Mitigate Insider Threats in Washington, DC on June 22, 2010. [PNNL-SA-73368]
41. Greitzer FL. 2010. "Wide Area Situation Awareness in Electric Power Grid." Presented by Frank L. Greitzer (Invited Speaker) at SPIE Defense, Security and Sensing 2010, Cyber Security, Situation Management, and Impact Assessment, Orlando, FL on April 9, 2010. [PNNL-SA-71022]
42. Greitzer FL, and B Zadeh. 2010. "PNNL Insider Threat Program." Presented by Frank Greitzer (Invited Speaker) at State of Kuwaiti visit to Lab on November 9, 2010. [PNNL-SA-76195]
43. Greitzer FL. 2009. "Expert Operator Decision Making: Application of the Expert Operator Decision Model for Developing and Evaluating EMS User Interfaces." Presented by Frank L. Greitzer (Invited Speaker) at 2009 EMS Users Conference, Portland, OR on September 16, 2009. [PNNL-SA-68226]
44. Greitzer FL. 2009. "Security in Virtual Worlds." Presented by Frank L. Greitzer (Invited Speaker) at National Academies Workshop on Usability, Security, and Privacy, Washington D.C., DC on July 21, 2009. [PNNL-SA-67322]
45. Greitzer FL. 2008. "Security and Privacy in an Expanding Cyber World." Presented by Frank L. Greitzer (Invited Speaker) at Annual Computer Security Applications Conference, Anaheim, CA on December 11, 2008. [PNNL-SA-63670]
46. Greitzer FL, and D Griffith. 2006. "A Human-Information Interaction Perspective on Augmented Cognition." Presented by Frank L. Greitzer at Augmented Cognition International, San Francisco, CA on October 17, 2006. [PNNL-SA-50993]
47. Greitzer FL, and DH Andrews. 2008. "Training Strategies to Mitigate Expectancy-Induced Response Bias in Combat Identification: A Research Agenda [Keynote Address]." Presented by Frank L. Greitzer, Dee H. Andrews (Invited Speaker) at Human Factors in Combat Identification Workshop, Mesa, AZ on May 13, 2008. [PNNL-SA-60363]
48. Greitzer FL, R Podmore, M Robinson, and P Ey. 2009. "Naturalistic Decision Making for Power System Operators." Presented by Frank L. Greitzer at The Ninth International Conference on Naturalistic Decision Making, London, United Kingdom on June 25, 2009. [PNNL-SA-66704]
49. Greitzer FL, and SL Clements. 2009. "Cyber Security Situational Awareness: Research Issues in Addressing Cyber Friendly Fire." Presented by Frank L. Greitzer (Invited Speaker) at Cyber Friendly Fire Avoidance Workshop, Colorado Springs, CO on February 4, 2009. [PNNL-SA-64267]

50. Griffin JW, and LJ Bond. 2010. "Ultrasonic Sensing Systems for Liquid Metal Fast Reactors." Presented by Jeff Griffin (Invited Speaker) at First Collaboration Meeting on Sensors for Liquid Sodium Fast Reactors, Mito, Japan on July 28, 2010. [PNNL-SA-74021]
51. Griffin JW, LJ Bond, AM Jones, GJ Posakony, TJ Peters, and KM Denslow. 2010. "Ultrasonic Linear Array for Under Sodium Viewing." Presented by Leonard Bond at American Nuclear Society Meeting, San Diego, CA on June 14, 2010. [PNNL-SA-73328]
52. Haack JN. 2009. "Mixed-Initiative Cyber Security: Putting Humans in the Right Loop." Presented by Jereme Haack (Invited Speaker) at Mixed-Initiative Multiagent Systems (MIMS), Budapest, Hungary on May 11, 2009. [PNNL-SA-66294]
53. Huang Z. 2009. "Advanced Tools for Grid Planning and Operation." Presented by Z. Henry Huang (Invited Speaker) at Western Power Administration (WAPA) Meeting, Denver, CO on April 8, 2009. [PNNL-SA-65767]
54. Huang Z. 2009. "Scoping Studies of Advanced Real-Time Control in a Smart Grid." Presented by Henry Huang (Invited Speaker) at CEC/CIEE Visit, Richland, WA on December 8, 2009. [PNNL-SA-69997]
55. Huang Z. 2009. "Vulnerability Assessment for Cascading Failures in Electric Power Systems." Presented by Zhenyu Huang (Invited Speaker) at IEEE PES Power System Conference and Exhibition, Seattle, WA on March 17, 2009. [PNNL-SA-65221]
56. Huang Z, and J Nieplocha. 2008. "Transforming Power Grid Operations via High Performance Computing." Presented by Zhenyu Huang (Invited Speaker) at IEEE Power and Energy Society General Meeting 2008, Pittsburgh, PA on July 22, 2008. [PNNL-SA-61467]
57. Huang Z, and J Nieplocha. 2007. "Transforming Power Grid Operations via High Performance Computing." Presented by N/A at Supercomputing 2007, Reno, NV on November 10, 2007. [PNNL-SA-57760]
58. Huang Z, PC Wong, PS Mackey, Y Chen, J Ma, KP Schneider, and FL Greitzer. 2009. "Managing Complex Network Operation with Predictive Analytics." Presented by Zhenyu Huang at AAAI 2009 Spring Symposium Series: Technosocial Predictive Analytics, Palo Alto, CA on March 23, 2009. [PNNL-SA-65448]
59. Jones AM, LJ Bond, TJ Peters, JW Griffin, DL Baldwin, and GJ Posakony. 2010. "Design and Demonstration of a Prototype Ultrasonic Viewing System for Liquid Metal Fast Reactors - FY2010 Progress and Current Status ." Presented by Mark Jones at Argonne National Labs, Illinois August 11-12 2010, Illinois, IL on August 11, 2010. [PNNL-SA-74410]

60. Lu, N. "The Development of a Smart Distribution Grid Testbed for Integrated Information Management Systems." Presented by Ning Lu at the IEEE Innovative Smart Grid Technologies 2011. [PNNL-SA-76787]
61. Lu N, P Du, PR Paulson, FL Greitzer, X Guo, and MD Hadley. 2010. "A Smart Grid Testbed for Multi-layer Information Management System Development." Presented by Ning Lu at Grid-InterOp 2010, Chicago, IL on December 1, 2010. PNNL-SA-76423.
62. Lu N, PR Paulson, FL Greitzer, MD Hadley, and Y Chen. 2010. "A Predictive Defense Model for the Smart Grid." Presented by Ning Lu at Grid-Interop 2009, Denver, CO on November 17, 2009. [PNNL-SA-69169]
63. Maiden WM, I Dionysiou, DA Frincke, GA Fink, and DE Bakken. 2010. "DualTrust: A Distributed Trust Model for Swarm-Based Autonomic Computing Systems." Presented by Harald Gjermundrod at Third International Workshop on Autonomous and Spontaneous Security, Athens, Greece on September 23, 2010. [PNNL-SA-75202]
64. Maiden WM, JN Haack, GA Fink, AD McKinnon, and EW Fulp. 2009. "Trust Management in Swarm-Based Autonomic Computing Systems (Rev 1)." Presented by Wendy M. Maiden at 2009 International Symposium on UbiCom Frontiers -- Innovative Research, Systems, and Technologies, Brisbane, Australia on July 8, 2009. [PNNL-SA-67212]
65. Maiden WM, JN Haack, GA Fink, AD McKinnon, and EW Fulp. 2009. "Trust Management in Swarm-Based Autonomic Computing Systems." Presented by Wendy M. Maiden at 2009 International Symposium on UbiCom Frontiers - Innovative Research, Systems, and Technologies, Brisbane, Australia on July 8, 2009. [PNNL-SA-67152]
66. Manz, DO. 2010. "Cyber-Physical Collaboration Meeting". Presented by David Manz at client visit on October 19, 2010 in Richland, WA. [PNNL-SA-75793]
67. Manz, DO. 2010. "PNNL/ISI proposed Collaboration." Presented by David Manz (Invited Speaker) at Usenix Workshop, D.C., DC on August 9, 2010. [PNNL-SA-74473]
68. McKinnon AD, and GA Fink. 2010. "Bio-Inspired Technologies for Enhancing Cyber Security in the Energy Sector." Presented by A. David McKinnon (Invited Speaker) at No conference/workshop, presenting at Wake Forest University, Winston-Salem, NC on November 2, 2010. [PNNL-SA-76003]
69. Monteiro SD, AD McKinnon, GA Fink, JN Haack, RF Erbacher, and BC Williams. 2009. "New Lessons from the Ants: Toward Adaptive Cyber Security." Presented by Monteiro, Steena DS (Invited Speaker) at Utah State University Internship Presentation on September 11, 2009. [PNNL-SA-68398]

70. Oehmen CS. 2009. "Minisymposium MS28 Mathematics of Cybersecurity: Advancing Applications with Proactive Capabilities." Presented by Christopher Oehmen at SIAM CSE 09 on March 2, 2009. [PNNL-SA-64652]
71. Olsen MM, and D Frincke. 2007. "DHS Internship Summary: Indicators for Malicious Insider Misuse ." Presented by Megan Olsen at DHS Internship presentation, Richland, , WA on August 17, 2007. [PNNL-SA-56741]
72. Peterson ES, ST Dowson, and CS Oehmen. 2010. "An Organic Model for Detecting Cyber-Events." Presented by Elena Peterson (Invited Speaker) at Cyber Security & Information Intelligence Research Workshop (CSIIRW), Oak Ridge, TN on April 22, 2010. [PNNL-SA-72293]
73. Ramuhalli P, CH Henager, Jr, JW Griffin, LJ Bond, and M Dixit. 2010. "Diagnostic and Prognostic Tools for Residual Life Estimation in Ageing Nuclear Power Plant Components." Presented by Pradeep Ramuhalli at Review of Progress in Quantitative Nondestructive Evaluation (QNDE 2010), San Diego, CA on July 20, 2010. [PNNL-SA-73951]
74. Ramuhalli P, JW Griffin, M Dixit, LJ Bond, and CH Henager, Jr. 2010. "Experimental Assessment of NDE Methods for Online Monitoring of Materials Degradation in Nuclear Power Plant Components." Presented by Pradeep Ramuhalli at 2010 American Nuclear Society Meeting, San Diego, CA on June 15, 2010. [PNNL-SA-73432]
75. Ramuhalli P, MS Good, RV Harris, Jr, LJ Bond, CO Ruud, AA Diaz, and MT Anderson. 2010. "Methods for the In-situ Characterization of Cast Austenitic Stainless Steel Microstructures." Presented by Pradeep Ramuhalli at Review of Progress in Quantitative Nondestructive Evaluation (QNDE 2010), San Diego, CA on July 21, 2010. [PNNL-SA-73905]
76. Ramuhalli P, RV Harris, Jr, MS Good, LJ Bond, R Mathews, KC Roberts, AA Diaz, and MT Anderson. 2010. "In-situ Characterization of Cast Stainless Steel (CASS) Microstructures." [PNNL-SA-75191] Pacific Northwest National Laboratory, Richland, WA.
77. Webb-Robertson BJM, CS Oehmen, and MM Matzke. 2008. "Dimension Reduction via Unsupervised Learning Yields Significant Improvements for Support Vector Machine Based Protein Family Classification." Presented by Bobbie-Jo Webb-Robertson (Invited Speaker) at The Seventh International Conference on Machine Learning and Applications (ICMLA '08), La Jolla, CA on December 13, 2008. [PNNL-SA-63775]

1.10 Software

1. Copley WD, and D Frincke. 2007. *The Professors Dilemma: Finding Successful Collaboration Strategies*. [PNNL-SA-56742]

1.11 Videos

1. Chen Y, Z Huang, CH Allwardt, PS Mackey, and PC Wong. 2010. "Graphical Contingency Analysis (GCA) Demo." Pacific Northwest National Laboratory, Richland, WA. [PNNL-SA-75851]
2. Turner AS, TK Thompson, CS Oehmen, and WA Pike. 2009. "Cyber Security video for SC10." Pacific Northwest National Laboratory, Richland, WA. [PNNL-SA-69519]
3. Turner AS, Z Huang, CH Imhoff, and D Chavarría-Miranda. 2009. "CASS-MT video for SC10." Pacific Northwest National Laboratory, Richland, WA. [PNNL-SA-69518]

2.0 BOARDS, COMMITTEES AND MEETINGS

2.1 Advisory Boards and Committees

1. Frincke, DA. Member, Advisory Board, Computer Science Department, University of Washington-Tacoma Campus, Tacoma, WA, January 2009-present.
2. Eltoweissy, MY. Editorial Board, Elsevier Journal on Network and Computer Applications, 2008 – present.
3. Frincke, DA. Member, Advisory Board, Certificate in Virtual Reality, University of Washington, Fall 2008-present.
4. Frincke, DA. Member, Advisory Board, Trustworthy Cyber Infrastructure for the Power Grid (TCIP), University of Illinois, Dartmouth College, Cornell University, Washington State University. A National Science Foundation Center, co-funded by DOE and DHS, 2007-present.
5. Greitzer, FL. *Adjunct Professor*, Computer Science and Psychology Departments, Washington State University, Tri-Cities campus, 2005-present.
6. Frincke, DA. Member, Idaho Space Grant Consortium Advisory Committee, Spring 2005-2009.
7. Frincke, DA. Member, Advisory Board, Certificate in Information Assurance and CyberSecurity, University of Washington, Fall 2004-present.
8. Frincke, DA. Member, Executive Steering Committee, Center for Information Assurance and CyberSecurity, University of Washington, Fall 2004-present.
9. Frincke, DA. Member, Idaho NASA/EPSCOR Technical Advisory Committee, Spring 2004-2009.

10. Frincke, DA. Member, Westinghouse's Savannah River Commission Security Committee, January 2003-present.
11. Greitzer, FL. Member of Editorial Board, *Augmented Cognition International Conference*, 2005, 2006, 2007.

2.2 DOE Grass Roots Community Activities

1. Frincke, DA. Invited attendee and session moderator at ARO "R&D Agenda: Forensics", September 2009.
2. Frincke, DA. Organizer/facilitator, Discussions on Forensic Analytics, PNNL, September 2009.
3. Frincke, DA. Organizer/host, Talaris DOE CyberSecurity Round Table on Trust, Complexity, and Scientific Evaluation, August 2009.
4. Frincke, DA. Breakout session facilitator and invited participant, ARO "R&D Agenda: Trustworthy 'Social Computing'", July 2009.
5. Frincke, DA. NSF Town Hall Meeting on GENI; Steering Committee, *National Science Foundation's GENI and Security*, UC Davis, CA, January 2009. Also facilitator, Infrastructure Protection breakout session.
6. Frincke, DA. Co-organizer, DOE CyberSecurity Grass Roots Writing Meeting, Washington DC, October 2008.
7. Frincke, DA. Co-organizer and meeting facilitator, Classified Commentary on DOE CyberSecurity Grass Roots Agenda, Sandia New Mexico, September 2008.
8. Frincke, DA. Co-organizer, sponsor, and meeting facilitator, Classified Commentary on DOE CyberSecurity Grass Roots Agenda, Washington DC, August 2008.
9. Frincke, DA. Organizer/facilitator, Discussions on Privacy and Cyber Analytics, U of Washington, August 2008.
10. Frincke, DA. Co-organizer and meeting facilitator, DOE CyberSecurity Grass Roots Town Hall 2, Oakridge National Laboratory, June/July 2008.
11. Frincke, DA. Invited Speaker, DOE Advanced Scientific Computing Advisory Committee (ASCAC), Cyber Security Grass Roots Community Planning for CyberSecurity Research, Washington DC, February 26-27, 2008.
12. Frincke, DA. Co-organizer and meeting facilitator, DOE CyberSecurity Grass Roots Town Hall 1, Argonne National Laboratory, January 2008.

13. Frincke, DA. Session Moderator: *Securing Open Science Laboratories*. DOE Cybersecurity R&D Challenges for Open Science: Developing a Roadmap and Vision. Washington DC, January 24-26, 2007.

2.3 International Journal/Magazine Editorial Boards

1. Eltoweissy, MY. Editorial Board, *IEEE Transactions on Computers*, Jan 2009 – present.
2. Frincke, DA. Member, *IEEE Security and Privacy*, Education Board/Column, Co-Editor with Matt Bishop, January 2003-2008; Co-Editor, *Designing Security In Board/Column*, 2008-2009; Co-Editor, *Basic Training*, 2010-present.
3. Frincke, DA. Member, *International Journal of Information and Computer Security*, Editorial board member, joined founding board, June 2004-present.
4. Frincke, DA. Member, Elsevier *International Journal of Computer and Telecommunications Networking (COMNET)*, formerly *Computer Networks and ISDN Systems*, Editorial Board Member, October 2001-present.
5. Frincke, DA. Member, *Journal of Computer Security*, Editorial Board Member, December 2000-present.
6. Greitzer, FL. Member of Editorial Board, *International Journal of Cognitive Informatics and Natural Intelligence*, 2005-present.

2.4 Participation Working Meetings

1. Frincke, DA. Invited attendee at Department of Homeland Security “Hard Problems List” Cyber Security R&D meeting 2 (Maughan), October 2008.
2. Frincke, DA. Invited attendee at Senator Lieberman’s Department of Homeland Security R&D Cyber Security agenda meeting (organized through MIT), October 2008.
3. Frincke, DA. Invited attendee at Sandia National Laboratories, Sandia Cyber Fest, Albuquerque, NM, May 28-30, 2008.
4. Frincke, DA. Invited attendee at Department of Homeland Security “Hard Problems List” Cyber Security R&D meeting 1 (Maughan), Menlo Park, March 12-13, 2008.
5. Frincke, DA. PNNL delegate to the Office of Science Cyber Security R&D Agenda Planning meeting, October 2007.
6. Greitzer, FL. Invited attendee and keynote speaker at Human Factors in Combat Identification Workshop, Phoenix, AZ, May 19-21, 2008.

7. Greitzer, FL. Invited attendee, organizer, and speaker at Cyber Friendly Fire Avoidance Workshop, Colorado Springs, CO, February 4, 2009.
8. Greitzer, FL. Invited attendee, Workshop on Accelerated Learning and Facilitated Retention of Proficiency, Mesa, AZ, October 8-10, 2009.
9. Greitzer, FL. Invited attendee and speaker, Intelligence Community/Private Sector Engagement Workshop on Insider Threat, May 2007.

2.5 Program Committees and Organizing Roles for DOE and PNNL/Partner-Specific Events

1. Eltoweissy, ME. Session Chair, IEEE Globecom 2010 Workshop, to be held December 2010.
2. Eltoweissy, ME. Session Chair, Second International Conference on Ad Hoc Networks, to be held August 2010.
3. Frincke, DA. General Chair Emeritus, IEEE International Workshop on Visualization for Computer Security (VizSEC), to be held 2010.
4. Frincke, DA. Registration Chair, IEEE Security and Privacy Conference, to be held 2010.
5. Frincke, DA. General Chair, IEEE International Workshop on Visualization for Computer Security (VizSEC), October 2009.
6. Frincke, DA. Co organizer, DOE Cyber Security Grass Roots Writing Meeting, Washington, D.C., October 2008.
7. Frincke, DA. Co organizer and meeting facilitator, Classified Commentary on DOE Cyber Security Grass Roots Agenda, Sandia National Laboratories, Albuquerque, NM, September 2008.
8. Frincke, DA. Co organizer, Sponsor, and meeting facilitator, Classified Commentary on DOE Cyber Security Grass Roots Agenda, Washington, D.C., August 2008.
9. Frincke, DA. Sponsor and meeting facilitator, Workshop on Privacy and Cyber Analytics, University of Washington, Seattle, WA, August 2008.
10. Frincke, DA. Co organizer and meeting facilitator, DOE Cyber Security Grass Roots Town Hall 2, Oak Ridge National Laboratory, Oak Ridge, TN, June/July 2008.
11. Frincke, DA. Co organizer and meeting facilitator, DOE Cyber Security Grass Roots Town Hall 1, Argonne National Laboratory, Argonne, IL, January 2008.

12. Frincke, DA. Program Chair and member of organizing committee: 2nd International Workshop on Systematic Advances in Digital Forensic, Engineering, Seattle, WA, April 2007.
13. Frincke, DA. Session Moderator: *Securing Open Science Laboratories*. DOE Cyber Security R&D Challenges for Open Science: Developing a Roadmap and Vision. Washington, D.C., January 24-26, 2007.

2.6 Program Committees and Organizing Roles for International Conferences, Workshops and Events

1. Frincke, DA. General Chair, IEEE International Workshop on Visualization for Computer Security (VizSEC), meeting held October 2009.
2. Frincke, DA. Program Committee, New Security Paradigms Workshop (NSPW), University of Oxford, United Kingdom, September 8-11, 2009.
3. Frincke, DA. Program Committee, 24th IFIP International Information Security Conference (SEC 2009), Cyprus, meeting held May 18-20, 2009.
4. Frincke, DA. Steering Committee Co-Chair and Program Committee, member of organizing committee: 4th International Workshop on Systematic Advances in Digital Forensic Engineering, meeting held Spring 2009.
5. Frincke, DA. Program Committee, Department of Homeland Security's Cyber Security Applications and Technologies Conference for Homeland Security (CATCH), meeting held March 3-4, 2009.
6. Frincke, DA. Program Committee, 2nd Annual Conference on Education in Information Security (ACEIS09), ACM SIGSAC, meeting held February 18-20, 2009.
7. Frincke, DA. Program Committee, 5th IEEE International Workshop on Visualization for Computer Security (Oct 2008, in conjunction with RAID 2008).
8. Frincke, DA. Steering Committee Co-Chair and Program Committee, member of organizing committee: 4th International Workshop on Systematic Advances in Digital Forensic Engineering, Oakland, May 2008.
9. Frincke, DA. Program Chair, member of organizing committee, 2nd International Workshop on Systematic Advances in Digital Forensic Engineering, Seattle, WA, April 2007.
10. Frincke, DA. Program Committee, 4th IEEE International Workshop on Visualization for Computer Security (in conjunction with VAST 2007).

11. Frincke, DA. Program Committee, 1st and 2nd International Conference on Information Systems Security (ICISS 2005-2008).

2.7 Scholarly Meeting Oversight Groups

1. Frincke, DA. Steering Committee Co Chair/Co Founder, International Workshop on Systematic Advances in Digital Forensic Engineering, current.
2. Frincke, DA. Steering Committee Co Chair/Co Founder, International Workshop on VizSEC, current.
3. Frincke, DA. Executive Organizing Committee/founding Committee: International Workshop on Recent Advances in Intrusion Detection, 1998-current. (Joined Executive Steering Committee when formed in 2001).

2.8 Selected Invited University Seminar Talks and Panels

1. Frincke, DA. Guest lecturer, University of Washington's iSchool Research Colloquium, DOE Research and University Research: Bridging the Gap, Seattle, WA, May 8, 2008.
2. Frincke, DA. Keynote speaker, University of Idaho's Society of Women Engineers Annual Banquet, Spring 2008.

3.0 INTELLECTUAL PROPERTY

3.1 Invention Disclosures

1. Bond, LJ. Invention Disclosure, 16839 - Method and hardware suite for detecting indicators of cyber malice, September 21, 2010.
2. Bond, LJ. Invention Disclosure, 15875 – Method of Detecting an Intrusion of a Personal Computer, January 11, 2008.
3. Fink, GA. Invention Disclosure, 16585 – Cooperative Infrastructure Defense, January 5, 2010.
4. Fink, GA. Invention Disclosure, 16254 – Method of computer system failure prediction using support vector machines, February 2, 2009.
5. Fink, GA. Invention Disclosure, 15571 – Man-in-the-Middle for Intelligent Obfuscation and Sabotage, March 29, 2007.
6. Fink, GA. Invention Disclosure, 15533 – Adaptive Tactical Multi-Agent Cyber Defense System, February 20, 2007.

7. Greitzer, FL. Invention Disclosure, 16375 – Psychosocial model for insider threat mitigation, May 13, 2009.
8. Greitzer, FL. Invention Disclosure, 15992 – Predictive Classification and Reasoning Methods for Insider Threat Mitigation, May 12, 2008.
9. Hohimer, RE. Invention Disclosure, 16832 – Columnar Hierarchical Autoassociative Memory Processing, September 10, 2010.
10. Huang, Z. Invention Disclosure, 16975 – A web-based contingency analysis visualization tool, January 25, 2011.
11. Huang, Z. Invention Disclosure, 16857 – A tool of interactive assessment of operation actions, September 16, 2010.
12. Huang, Z. Invention Disclosure, 16426 – A Method to Detect Manipulated SCADA Data Based on State Estimation Residuals, July 21, 2009.
13. Huang, Z. Invention Disclosure, 16027 – A Method for Network Trending Analysis and Its Application to Power Grid Operations, June 13, 2008.
14. Huang, Z. Invention Disclosure, 16023 – Advanced Contingency Analysis Visualization for Power Grid Operations, June 13, 2008.
15. Hughes, CO. Invention Disclosure, 16566 – Agoge, November 11, 2009.
16. Hughes, CO. Invention Disclosure, 16565 – Ephor, November 11, 2009.
17. Hughes, CO. Invention Disclosure, 16564 – Mora, November 11, 2009.
18. Hughes, CO. Invention Disclosure, 16562 – Hoplite, November 11, 2009.
19. Hughes, CO. Invention Disclosure, 16561 – Scenario Based Network Overlay Mesh, November 11, 2009.
20. Hughes, CO. Invention Disclosure, 16560 – Abstract Machines, November 17, 2009.
21. Lu, Ning. Invention Disclosure, 16941 - Distributed Cyber-Physical Situational Awareness Framework, January 13, 2011.
22. Lu, Ning. Invention Disclosure, 16792 – Power Grid Cyber Radar, July 19, 2010.
23. Oehmen, CS. Invention Disclosure, 16758 - PHaCT (Parallel Hierarchical Clustering Toolsuite), June 14, 2010.
24. Oehmen, CS. Invention Disclosure, 16614 – Parallel Support Vector Machine Algorithm using POSIX threads, December 28, 2009.

25. Paulson, PR. Invention Disclosure, 16517 – Subset of Dempster Shafer Theory processable by Bayesian Network Software, January 25, 2010.
26. Paulson, PR. Invention Disclosure, 16507 – Formal Risk Models for Cyber-Response Prioritization, October 12, 2009.

3.2 Patents Pending

1. Hohimer, RE. Patent Pending, 16832 – Information Processing Systems, rEasoning Modules and REasoning System Design Methods, March 18, 2011.
2. Huang, Z. Patent Pending, 16023 – Decision Support Systems and Methods for Insider Threat Mitigation, March 23, 2009.

4.0 AWARDS

4.1 Awards, Recognitions and Honors

1. Bond, LJ was elected as 2010 AAAS Fellow.
2. Eltoweissy, MY. IEEE Transactions on Parallel and Distributed Systems' most cited paper, 2006. Younis, M.F., Ghumman, K., Eltoweissy, M., Location-aware combinatorial key management scheme for clustered sensor networks, 17 (8), pp. 865-882, 2006 (46 S + 51G)
<http://www.computer.org/portal/web/tpds>
3. Frincke, DA. Joins National Media Advisory Board. Deb Frincke joins the GovInfoSecurity Advisory Board, 2011.
4. Frincke, DA. Selected as General Chair for Security and Privacy Symposium for 2011.
5. Frincke, DA. IEEE Northwest Area Outstanding Leadership and Professional Service Award, 2010.
6. Frincke, DA. Invited to participate in a classified SCORE/NITRD, invitation only meeting, to plan for what kinds of research will be included in the 2012 Budgetary request from NITRD and the CNCI program, within the Leap Ahead Program.
7. Frincke, DA. CRW – W (Women in Computing Research), profile of the month, Spring, 2008.
http://www.cra.org/Activities/craw/projects/industry_researchers/past_profiles.html
8. Frincke, DA. Outstanding Academic Contributions Award, Colloquium for Information Systems Security Education, 2009.

9. Greitzer, FL. Provocateur, National Academy of Sciences, Provocateur/Facilitator, National Academies Workshop on Usability, Security & Privacy.
10. Greitzer, FL. Certificate of Appreciation, Office of the Director of National Intelligence, for superior accomplishment and valuable service in addressing and participating in Intelligence Community/Private Sector Engagement workshop on Insider Threat, May 2007.
11. Hadley, MD, N Ling, DA Frincke. Most downloaded IEEE S&P article in first quarter 2010.
12. Huang, Z. Institute of Electrical and Electronics Engineers (IEEE) Power & Energy Society (PES) Outstanding Young Engineer Award, 2009.
13. Oehmen, CS. PNNL Lab Directors LR Brodzinski Early Career Award, 2009.

5.0 NEW HIRES, POST-DOCS, STUDENTS

5.1 New Hires

1. Alan Fligg, BS, University of Arizona, 2009.
2. David Manz, PhD, University of Idaho, 2010.
3. Eric Bell, BS, University of Washington, 2010.
4. Glenn Fink, PhD, Virginia Polytechnic Institute and State University, 2007.
5. Kelly O'Hara, MS, University of Washington, 2011.
6. Mohamed Eltoweissy, PhD, Virginia Tech, 2010.
7. Patrick Nichols, PhD, Texas Tech University, 2009.
8. Peter Hui, PhD, DePaul University in Chicago, 2009.
9. Peter Neorr, MS, John Hopkins University, 2010.
10. Shawn Hampton, BS, University of Illinois, 2010.
11. Thomas Carroll, PhD, Wayne State University, 2009.
12. Thomas Dennis, MS, Washington University in St. Louis, 2010.
13. Xinxin (Tony) Guo, MS, University of Wisconsin – Madison, 2010.

14. Yousu Chen, MS, Washington State University, 2008.
15. Zach Beech, MS, Naval Postgraduate School, 2010.

5.2 Post-Docs

1. Angela Dalton, State University of New York at Albany, 2010-2011.
2. Patrick Nichols, Texas Tech University, 2008-2009.
3. Sherali Zeadally, University of the District of Columbia, 2010.

5.3 Students

1. Aaron Alva, Florida State University, 2008-2010.
2. Aaron Phillips, University of Idaho (Moscow), 2010.
3. Alex Endert, Virginia Tech, 2009.
4. Alexandra Franks, 2010.
5. Ashish Malviya, BS, University of Pune, India, 2010.
6. Bryan Williams, Wake Forest University, 2009.
7. Eric Bell, University of Washington, 2010.
8. Eric Love, University of the District of Columbia, 2010.
9. Jerry Chiang, University of Illinois at Urbana-Champaign, 2010.
10. Jian Ma, University of Queensland, 2008.
11. Joseph Chapman, Columbia Basin Community College, 2010.
12. Joshua Short, 2010.
13. Kelly O'Hara, University of Washington, 2010.
14. Michael Crouse, Wake Forest University, 2010.
15. Michael Madison, Indiana University, 2011.
16. Rami Eltarras, Virginia Tech, 2010.
17. Sean Golash, University of the District of Columbia, 2010.

18. Shamina Hossain, Washington State University, 2010.
19. Steena Montiero, Utah State University, 2007, 2009.
20. Wes Featherstun, Wake Forest University, 2009.
21. Xinxin (Tony) Guo, University of Wisconsin – Madison, 2010.
22. Yekaterina Pomiak, Washington State University, 2010-2011.
23. Zhongyuan Li, Southern California University, 2010.

6.0 OTHER

6.1 Other Activities

1. Glenn Fink, Hosted Take our Daughters and Sons to Work Day 2009