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1.0 PUBLICATIONS

1.1 Abstracts

1. Frincke DA, FL Greitzer, M Bishop, and C Gates. 2008. "AZALIA: an A to Z assessment of the Likelihood of Insider Attack." Abstract, 2009 IEEE International Conference on Technologies for Homeland Security, Waltham, MA. PNNL-SA-63747. http://www.pnl.gov/cogInformatics/hii_publications.stm
2. Greitzer FL. 2009. "Accelerated Learning and Facilitated Retention of Proficiency Workshop: Position Paper (Brainstorming Thoughts)." Abstract, Accelerated Learning and Facilitated Proficiency Workshop, Mesa, AZ. PNNL-SA-68759. https://erica.pnl.gov/ir/upload/review.asp?product_id=272026&clear_number=PNNL-SA-68759
3. Greitzer FL, and DA Frincke. 2009. "Social/Ethical Issues in Predictive Insider Threat Monitoring." Abstract, Book title: Information Assurance and Security Ethics in Complex Systems: Interdisciplinary Perspectives. PNNL-SA-65564. https://erica.pnl.gov/ir/upload/review.asp?product_id=259837&clear_number=PNNL-SA-65564
4. Greitzer FL, and JD Fluckiger. 2009. "Predicting Insider Threats." Abstract, DoD Computer Network Research and Technology Program Management Office workshop, Linthicum, MD. PNNL-SA-66557. https://erica.pnl.gov/ir/upload/review.asp?product_id=262666&clear_number=PNNL-SA-66557
5. Greitzer FL, JD Fluckiger, SL Clements, and DH Andrews. 2009. "Research Issues in Addressing "Cyber Friendly Fire." Abstract, DoD Computer Network Defense Research and Technology Program Management Office workshop, Linthicum, MD. PNNL-SA-66543. https://erica.pnl.gov/ir/upload/review.asp?product_id=262558&clear_number=PNNL-SA-66543
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7. Greitzer FL, and SL Clements. 2008. "Cybersecurity Situational Awareness: Research Issues in Addressing Cyber Friendly Fire." Abstract, Cyber Friendly-Fire Avoidance Workshop, Colorado Springs, CO. PNNL-SA-63499. https://erica.pnl.gov/ir/upload/review.asp?product_id=250427&clear_number=PNNL-SA-63499

8. Lu N, MD Hadley, PR Paulson, FL Greitzer, and Y Chen. 2009. "A Predictive Defense Model for the Smart Grid." Abstract, Grid-Interop 2009, Denver, CO. PNNL-SA-67980. https://erica.pnl.gov/ir/upload/review.asp?product_id=268434&clear_number=PNNL-SA-67980
9. Popovsky B, and D Frincke. 2007. "Embedding Hercule Poirot in Networks: Addressing Inefficiencies in Digital Forensic Investigations." Abstract, 2nd Augmented Cognition International Conference. PNNL-SA-54424. https://erica.pnl.gov/ir/upload/review.asp?product_id=226123&clear_number=PNNL-SA-54424

1.2 Book Chapters

1. Fink GA, AD McKinnon, SL Clements, and DA Frincke. 2009. "Tensions in collaborative cyber security and how they affect incident detection and response." Chapter 3 in *Collaborative Computer Security and Trust Management*, ed. Jean-Marc Seigneur and Adam Slagell. IGI International, Hershey, PA.

1.3 Book Chapters - Invited Author/Peer Reviewed

1. Bishop M, SJ Engle, DA Frincke, C Gates, FL Greitzer, S Peisert, and S Whalen. 2009. "A Risk Management Approach to the "Insider Threat"." In *Aspects of Insider Threat*. PNNL-SA-69376, Pacific Northwest National Laboratory, Richland, WA. [Unpublished, In Press]
2. Endicott-Popovsky, B., B. Chee and D. Frincke. Calibration Testing of Network Tap Devices, in S. Sheno, *Advances in Digital Forensics III*, Proceedings IFIP International Conference on Digital Forensics, National Centre for Forensic Science, Jan 28-31, 2007, Volume 242/2007, Chapter 1, pp 3-19. <http://www.springerlink.com/content/ww8477763u60p170/fulltext.pdf>
3. Greitzer FL, DH Andrews. 2010. "Training Strategies to Mitigate Expectancy-Induced Response Bias in Combat Identification: A Research Agenda." Chapter 11 in *Human Factors Issues in Combat Identification*, ed. Dee H Andrews, Robert P. Herz and Mark B. Wolf, pp. 173-190. Ashgate, Burlington, VT.
4. Greitzer FL, D Frincke. 2009. "Combining Traditional Cyber Security Audit Data with Psychosocial Data: Towards Predictive Modeling for Insider Threat Mitigation." In *Aspects of Insider Threat*. PNNL-SA-67978, Pacific Northwest National Laboratory, Richland, WA. [Unpublished, In Press]
5. Greitzer FL, D Frincke, and M Zabriskie. 2009. "Social/Ethical Issues in Predictive Insider Threat Monitoring." In *Information Assurance and Security*

Ethics in Complex Systems: Interdisciplinary Perspectives. PNNL-SA-67818, Pacific Northwest National Laboratory, Richland, WA. [Unpublished, In Press]

6. Greitzer FL. 2008. "Methodology, Methods, and Metrics for Testing and Evaluating Augmented Cognition Systems." Chapter 6 in *Augmented Cognition: A Practitioner's Guide*, ed. DD Schmorrow and KM Stanney , pp. 144-174. Human Factors & Ergonomics Society, Santa Monica, CA.
7. Griffith D, FL Greitzer. 2008. "Neo-Symbiosis: The Next Stage in the Evolution of Human Information Interaction." Chapter VII in *Novel Approaches in Cognitive Informatics and Natural Intelligence*, ed. Y Wang, pp. 106-117. IGI Global, Hershey, PA.
8. Popovsky B, B Chee, and D Frincke. 2008. "Calibration Testing of Network Tap Devices." In *Advances in Digital Forensics III*.

1.4 Book Chapters - Other

1. Endicott-Popovsky B and D Frincke. 2007. "Embedding Hercule Poirot in Networks: Addressing Inefficiencies in Digital Forensic Investigations." In: *Lecture Notes in Computer Science, Volume 4565/2007*, Springer. Volume contains extended proceedings of Third International Conferences, Foundations of Augmented Cognition 2007, held as part of HCI International 2007. <http://www.springerlink.com/content/u7m278m431x15050/fulltext.pdf>

1.5 Conference Papers – Invited Author/Peer Reviewed

1. Greitzer FL, A Schur, ML Paget, and RT Guttmerson. 2008. "A Sensemaking Perspective on Situation Awareness in Power Grid Operations." In *IEEE Power and Energy Society General Meeting – Conversion and Delivery of Electrical Energy in the 21st Century*, pp. 1-6. IEEE, Piscataway, NJ. doi:10.1109/PES.2008.4596285 http://www.pnl.gov/cogInformatics/hii_publications.stm
2. Greitzer, FL, and DH Andrews. 2008. "Training Strategies to Mitigate Expectancy-Induced Response Bias in Combat Identification: A Research Agenda." In *Human Factors Issues in Combat Identification Workshop*, May 13-15, 2008, Gold Canyon, AZ, ed. DH Andrews, RP Herz and MB Wolf. Cognitive Engineering Research Institute, Mesa, AZ. http://www.pnl.gov/cogInformatics/hii_publications.stm
3. Huang Z, and J Nieplocha. 2008. "Transforming Power Grid Operations via High Performance Computing." In *2008 IEEE Power Engineering Society General Meeting - Conversion and Delivery of Electrical Energy in the 21st Century*. IEEE , Piscataway, NJ. doi:10.1109/PES.2008.4596063. <http://ieeexplore.ieee.org/search/wrapper.jsp?arnumber=4596063&tag=1>

1.6 Conference Papers – Invited Author

1. Frincke DA. 2007. "DRAFT OUTLINE: Visualizing the Cyber BattleSpace." In *Workshop on Visualization of Cyber Conflict*. PNNL-SA-55159, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
2. Frincke DA, and JA Mauth. 2007. "Dynamic Firewalls: Smart, Lightweight Boundaries for Securing Global Scientific Interactions." In *DOE Cybersecurity R&D Challenges for Open Science: Developing a Roadmap and Vision*. PNNL-SA-53735, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
http://acs.lbl.gov/Workshops/CyberWorkshop/White-papers/dynamic_firewalls_pnl.pdf
3. Huang MY, and D Frincke. 2007. "Systematic Advances to Digital Forensic Engineering." In *2007 Systematic Advances in Digital Forensics Engineering*. PNNL-SA-53807, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]

1.7 Conference Papers – Peer Reviewed

1. Bishop M, C Gates, DA Frincke, and FL Greitzer. 2009. "AZALIA: an A to Z Assessment of the Likelihood of Insider Attack ." In *2009 IEEE International Conference on Technologies for Homeland Security*. IEEE, Piscataway, NJ.
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=5168063&isnumber=5168000>
2. Chen Y, Z Huang, PC Wong, PS Mackey, CH Allwardt, J Ma, and FL Greitzer. 2010. "An Advanced Visual Analytic Decision Support Tool for Electricity Infrastructure Operations." In *The Fourth Annual IFIP WG 11.10 International Conference on Critical Infrastructure Protection*. PNNL-SA-70214, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
3. Endert A, CP Andrews, GA Fink, and CL North. 2010. "Designing Large High-Resolution Display Workspaces." In *Graphics Interface*. PNNL-SA-70603, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
4. Endicott-Popovsky B, J Fluckiger, and D Frincke. 2007. "Establishing Tap Reliability in Expert Witness Testimony: Using Scenarios to Identify Calibration Needs." In: the 2nd International Workshop on Systematic Approaches to Digital Forensics Engineering, pp. 131-146.
http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4155357
5. Erbacher R, and D Frincke. 2007. "Hierarchical Linked Views." In *5th International Conference on Coordinated & Multiple Views in Exploratory Visualization* <http://www.cvev.org/cmv2007/>. PNNL-SA-54952, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4269945&isnumber=4269933>

6. Erbacher R, DA Frincke, PC Wong, S Moody, and GA Fink. 2010. "Cognitive Task Analysis of Network Analysts and Managers for Network Situational Awareness ." In Conference on Visualization and Data Analysis 2010. SPIE Society of Photo-Optical Instrumentation Engineers, San Jose, CA.
<http://spiedl.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=PSISDG0075300000175300H000001>
7. Fink GA, CL North, A Endert, and SJ Rose. 2009. "Visualizing Cyber Security: Usable Workspaces." In *Proceedings of the Workshop on Visualization for Cyber Security*. Institute of Electrical and Electronics Engineers, Piscataway, NJ. [In Press]
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=5375542&isnumber=5375526>
8. Fink GA, JN Haack, WM Maiden, and EW Fulp. 2008. "A Cooperative Hierarchical Framework of Humans and Agents for Securing Critical Infrastructures." In *New Security Paradigms Workshop*. PNNL-SA-60066, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
9. Fink GA, V Duggirala, R Correa, and CL North. 2007. "Bridging the Host-Network Divide: Survey, Taxonomy, and Solution ." In Proceedings of the 20th USENIX Large Installation Systems Administration conference (LISA '06). USENIX, Washington, DC.
http://www.usenix.org/event/lisa06/tech/full_papers/fink/fink.pdf
10. Fulp, EW, Fink GA, and Haack JN, "Predicting Computer System Failures Using Support Vector Machines", In Proceedings of the First USENIX Workshop on the Analysis of System Logs (WASL '08), December 9, San Diego, CA.
http://www.usenix.org/event/wasl08/tech/full_papers/fulp/fulp.pdf
11. Greitzer FL, R Podmore, M Robinson, and P Ey. 2009. "Naturalistic Decision Making For Power System Operators." In *The 9th bi-annual International Conference on Naturalistic Decision Making*. British Computer Society, London, United Kingdom.
http://www.pnl.gov/cogInformatics/hii_publications.stm
12. Haack JN, GA Fink, WM Maiden, AD McKinnon, and EW Fulp. 2009. "Mixed-Initiative Cyber Security: Putting Humans in the Right Loop." In *Mixed-Initiative Multiagent Systems (MIMS)*. Springer, Budapest, Hungary.
http://u.cs.biu.ac.il/~sarned/MIMS_2009/papers/mims2009_Haack.pdf
13. Huang Z, PC Wong, PS Mackey, Y Chen, J Ma, KP Schneider, and FL Greitzer. 2008. "Managing Complex Network Operations with Predictive Analytics." In *Proceedings of AAAI Spring Symposium on Technosocial Predictive Analytics*. PNNL-SA-63337, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
<https://www.aaai.org/Papers/Symposia/Spring/2009/SS-09-09/SS09-09-012.pdf>
14. Maiden WM, JN Haack, GA Fink, AD McKinnon, and EW Fulp. 2009. "Trust Management in Swarm-Based Autonomic Computing Systems." In *2009 Symposia and*

Workshops on Ubiquitous, Autonomic and Trusted Computing. IEEE Computer Society, Brisbane, Australia.

<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=5319265&isnumber=5319075>

15. Ma J, Y Chen, Z Huang, and PC Wong. 2009. "Abnormal SCADA Data Detection Based on State Estimation." In *The 13th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2009*. PNNL-SA-64895, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
16. Ma J, Y Chen, Z Huang, and PC Wong. 2009. "Using State Estimation Residuals to Detect Abnormal SCADA Data." In *IEEE PES Transmission and Distribution Conference and Exposition 2010*. PNNL-SA-67959, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
17. Ma J, Z Huang, PC Wong, and TA Ferryman. 2009. "Probabilistic Risk Assessment Based on Power Flow and Voltage Distribution." In *2010 IEEE PES Transmission and Distribution Conference and Exposition*. PNNL-SA-68114, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
18. Popovsky B, and D Frincke. 2007. "The Observability Calibration Test Development Framework." In 8th IEEE Workshop on Information Assurance, US Military Academy, West Point, 2007.
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19. Popovsky B, JD Fluckiger, and D Frincke. 2007. "Working title: Scenario-based identification of calibration requirements for digital forensic evidence." In *2nd International Workshop on Systematic Approaches to Digital Forensic Engineering*. PNNL-SA-53566, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4155357&isnumber=4155338>
20. Webb-Robertson BJM, MM Matzke, and CS Oehmen. 2009. "Dimension Reduction via Unsupervised Learning Yields Significant Computational Improvements for Support Vector Machine Based Protein Family Classification." In *The Seventh International Conference on Machine Learning and Applications*, pp. 457-462. IEEE Computer Society, Los Alamitos, CA.
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4725013&isnumber=4724938>
21. Wei H, J Alves-Foss, D Zhang, and D Frincke. 2007. "Validating the Layered Decision Model Rationality for Cost-Effective Network Defense based on Simulation." In *The 2007 IEEE International Conference on Information Reuse and Integration*. PNNL-SA-54502, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4296602&isnumber=4296571>

1.8 Formal Reports

1. Erbacher RF, DA Frincke, and GA Fink. 2008. *Visual Situational Awareness for Vulnerability and Impact Assessment*. PNWD-3986, Battelle—Pacific Northwest Division, Richland, WA.
2. Frincke DA, C Catlett, F Siebenlist, R Strelitz, B Worley, and E Talbot. 2008. *Transforming Cyber Security R&D within the Department of Energy: Getting Ahead of the Threat*. PNNL 17263, Pacific Northwest National Laboratory, Richland, WA.
3. Greitzer FL, PM Dauenhauer, TG Wierks, R Podmore, and AC Dalton. 2010. *Experimental Evaluation of Electric Power Grid Visualization Tools in the EIOC*. PNNL-19103, Pacific Northwest National Laboratory, Richland, WA.
4. Greitzer FL, PM Dauenhauer, TG Wierks, and R Podmore. 2009. *Human Factors Evaluation of Advanced Power Grid Visualization Tools*. PNNL-18386, Pacific Northwest National Laboratory, Richland, WA.
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5. Greitzer FL, LJ Kangas, T Edgar, AJ Brothers, and P Paulson. 2007. *Predictive Adaptive Classification Model for Analysis and Notification: Insider Threat (PACMAN:IT)*. PNNL-16713, Pacific Northwest National Laboratory, Richland, WA.
6. Greitzer FL, and R Podmore. 2008. *Naturalistic Decision Making in Power Grid Operations: Implications for Dispatcher Training and Usability Testing*. PNNL-18040, Pacific Northwest National Laboratory, Richland.
http://www.pnl.gov/cogInformatics/hii_publications.stm
7. Greitzer FL, SL Clements, TE Carroll and JD Fluckiger. 2009. *Towards a Research Agenda for Cyber Friendly Fire*. PNNL-18995, Pacific Northwest National Laboratory, Richland, WA.
8. Maiden WM. 2010. *Trust Management Considerations for the Cooperative Infrastructure Defense Framework: Trust Relationships, Evidence, and Decisions*. PNNL-19117, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
9. Zabriskie MM, and FL Greitzer. 2008. *Employment Data as a Predictive Indicator of Insider Threats to Cyber Security*. PNNL-17332, Pacific Northwest National Laboratory, Richland, WA.

1.9 Invitational Talks and Presentations, Meeting Introductions, Panel Moderation

1. Frincke, DA. Panel Moderator, “Governmental Links”, ASCAC, December 2009.
2. Frincke, DA. Panel Moderator, “Vision”, ASCAC, December 2009.

3. Frincke, DA. Panel Moderator, "Viz + Security \neq Science?", VizSEC, October 2009.
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.
10. Frincke, DA, Featured speaker, University of Washington's INSER Intelligence Community Colloquium, "What's Changed in Cyber Security Research and What Has Not." Seattle, WA, May 8, 2008.
11. Frincke, DA, Invited Speaker, DOE Advanced Scientific Computing Advisory Committee (ASCAC), Cyber Security Grass Roots Community Planning for Cyber Security Research, Washington, D.C., February 26-27, 2008.
12. Frincke, DA. Panel Moderator, National Laboratories, Second National Colloquium for Information System Security Education, 2008.
13. Greitzer, Frank, Keynote Speaker, *Wide Area Situation Awareness*, 2010 SPIE Conference, April 2010.

1.10 Journal Articles

1. Bishop M, and D Frincke. 2007. "Achieving Learning Objectives through E-Voting Case Studies." *IEEE Security & Privacy* 5(1):53-56. doi:10.1109/MSP.2007 <http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4085594&isnumber=4085579>
2. Greitzer FL, PR Paulson, LJ Kangas, L Franklin, TW Edgar, and DA Frincke. 2009. "Predictive Modeling for Insider Threat Mitigation." http://www.pnl.gov/cogInformatics/hii_publications.stm

1.11 Journal Articles - Invited Author/Peer Reviewed

1. Endert A, GA Fink, and CL North. 2009. "Visual Analytics for Cyber Security: Observations and Opportunities for Large Display Workspaces." PNNL-SA-70072, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
2. Frincke DA, and M Bishop. 2008. "Information Assurance Education: A Work in Progress." PNNL-SA-63372, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4639025&isnumber=4639007>
3. Huang Z, RT Guttromson, J Nieplocha, and RG Pratt. 2007. "Transforming Power Grid Operations." *Scientific Computing* 24(5):22-27.
<http://www.scientificcomputing.com/transforming-power-grid-operations.aspx>
4. Popovsky B, and D Frincke. 2007. "Embedding Forensic Capabilities into Networks: Addressing Inefficiencies in Digital Forensic Investigations." PNNL-SA-54225, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=1652087&isnumber=34632>

1.12 Journal Articles - Invited Author

1. Fink GA, and D Frincke. 2007. "Autonomic Computing: Freedom or a Threat?" ;*login*: 32(2):6-12.
<http://www.usenix.org/publications/login/2007-04/openpdfs/fink.pdf>
2. Greitzer FL, AP Moore, DM Cappelli, DH Andrews, L Carroll, and TD Hull. 2008. "Combating the Insider Cyber Threat." *IEEE Security & Privacy* 6(1):61-64. doi:10.1109/MSP.2008.8.
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4446699&isnumber=4446683>

1.13 Journal Articles – Peer Reviewed

1. Frincke DA. 2008. "A Layered Decision Model for Cost-Effective System Security." PNNL-SA-61549, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
2. Frincke DA. 2008. "Specifying digital forensics: A forensics policy approach." PNNL-SA-61423, Pacific Northwest National Laboratory, Richland, WA. [Unpublished]
http://www.sciencedirect.com/science?_ob=MImg&_imagekey=B7CW4-4NYD8T4-2-1&_cdi=18096&_user=2741876&_pii=S1742287607000461&_orig=search&_coverDate=09%2F30%2F2007&_sk=999959999.8998&_view=c&_wchp=dGLbVzz-zSkzV&_md5=f4363e694f6c69bb56a67c09a440c9a&_ie=/sdarticle.pdf
3. Irvine LG, SJ Ouder Kirk, and FL Greitzer. 2008. "Network Administrator

Training Using a Secure Virtual Laboratory."

4. Nichols PJ, BJM Webb-Robertson, and CS Oehmen. 2010. "Support Vector Machines for Data Intensive Computing." PNNL-SA-70270, Pacific Northwest National Laboratory, Richland, WA. [Unpublished, In Review]

1.14 Journals/Magazines - Editorial, Column or Invited Article

1. Bishop N and D Frincke. 2008. "Information Assurance Education: A Work in Progress." *IEEE Security and Privacy* 6(5):54-57.
<http://doi.ieeecomputersociety.org/10.1109/MSP.2008.123>
2. Ford, R. and D. Frincke. Basic Training: Building a Better Boot Camp, *IEEE Security and Privacy* Jan-Feb 2010.
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=5403156&isnumber=5403138>
3. Frincke, D, et al. VizSEC editorial, 2010.
4. Frincke DA, A Wespi, and D Zamboni. 2007. "From Intrusion Detection to Self Protection." *Computer Networks* 51(5):1233-1238.
http://www.sciencedirect.com/science?_ob=MIimg&_imagekey=B6VRG-4M9457R-1-7&_cdi=6234&_user=2741876&_pii=S1389128606002787&_orig=search&_coverDate=04%2F11%2F2007&_sk=999489994&_view=c&_wchp=dGLbVtz-zSkzS&_md5=fc190208e91cc7a76b78f84eada0f88d&_ie=/sdarticle.pdf
5. Himanshu, Hadley, Lu, and D Frincke. Designing In Security: Smart Grid, *IEEE Security and Privacy*, Jan-Feb 2010.
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=5403159&isnumber=5403138>
6. Huang M and D Frincke. 2007. "Editorial: Systematic Advances in Digital Forensics Engineering." In: *2nd International Workshop on Systematic Approaches to Digital Forensics Engineering*, April 10-12, Seattle, WA.
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4155343&isnumber=4155338>

1.15 Other Publications

1. Maiden WM, BA Akyol, SL Clements, BT Didier, TW Edgar, GA Fink, JN Haack, MD Hadley, N Lu, AD McKinnon, CS Oehmen, and SJ Ouder Kirk. 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.

1.16 Peer-Reviewed Conference or Workshop Proceedings, Full Length Articles

1. Dionysiou I, D Frincke, D Bakken, and C Hauser. 2007. "An Approach to Trust Management Challenges for Critical Infrastructures." Proceedings of the 2nd International Workshop on Critical Information Infrastructures Security (CRITIS'07) Springer, Berlin, Germany, J Lopez and BM Hammerli, Editors. Lecture Notes in Computer Science 5141:173-184.
2. Endicott-Popovsky*, B. and D. Frincke. Drive By Downloads. Emerging Risks and Systemic Concerns in Information Security Research and Applications in the Internet and Digital Economy Track of the Forty-third Hawaii International Conference on System Sciences (HICSS-43), 2010. CROM.
3. Endicott-Popovsky B and D Frincke. 2007. "The Observability Calibration Test Development Framework." In: The 8th IEEE Information Assurance Workshop, U.S. Military Academy, West Point, pp. 61-68.
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4267543&isnumber=4267527>
4. Erbacher R, and D Frincke. Hierarchical Linked Views. In 5th International Conference on Coordinated & Multiple Views in Exploratory Visualization, CMV07. July 2007. pp 35-46.
<http://totem.pnl.gov:2078/stamp/stamp.jsp?tp=&arnumber=4269945&isnumber=4269933>
5. Seifert C, B Endicott-Popovsky, D Frincke, P Komisarczuk, R Muschevici, and I Welch. 2008. "Identifying and Analyzing Web Server Attacks." In: IFIP International Conference on Digital Forensics 2008, pp. 151-161.
<http://www.springerlink.com/content/93871423185774k7/fulltext.pdf>
6. Seifert C, B Endicott-Popovsky, D Frincke, P Komisarczuk, R Muschevici, and I Welch. 2008. "Justifying the Need for Forensically Ready Protocols: A Case Study of Identifying Malicious Web Servers Using Client Honeypots." In: The 4th Annual IFIP WG 11.9 International Conference on Digital Forensics, Kyoto, Japan, pp.151-161.
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.81.8720&rep=rep1&type=pdf>
7. Taylor C, B Endicott-Popovsky, and D Frincke. 2007. "Specifying Digital Forensics: A Forensics Policy Approach." In: Digital Forensics Readiness Workshop (DFRWS).
http://www.sciencedirect.com/science?_ob=MIimg&_imagekey=B7CW4-4NYD8T4-2-1&_cdi=18096&_user=2741876&_pii=S1742287607000461&_orig=search&_coverDate=09%2F30%2F2007&_sk=999959999.8998&view=c&wchp=dGLzVtb-zSkWb&md5=f4363e694fefc69bb56a67c09a440c9a&ie=/sdarticle.pdf

1.17 Peer-Reviewed Journals/Magazines - Excluding Editorials, Invited Papers and Columns

1. Endicott-Popovsky B, D Frincke, and C Taylor. 2007. "A Theoretical Framework for Organizational Network Forensic Readiness." *Journal of Computers* 2(3):1-11. An early/short version was accepted and published in the Information Assurance Workshop, 2006.
<http://www.academypublisher.com/ojs/index.php/jcp/article/view/02030111/291>
2. Hauser CH, DE Bakken, I Dionysiou, K Harald Gjermundrød, Venkata S. Irava, J Helkey, and A Bose. 2008. "Security, Trust, and QoS in Next-Generation Control and Communication for Large Power Systems." *International Journal of Critical Infrastructures* 4(1/2):3-16. Earlier short version appeared in CRITIS07.
<http://www.inderscience.com/filter.php?aid=16088>
3. Wei H, D Zhang, D Frincke, and J Alves-Foss. 2008. "A Layered Decision Model for the Design of Cost-Effective Network Defense." *International Journal of Information and Computer Security (IJICS)* 2(3):297-324.
4. Yu D and D Frincke. 2007. "Improving the Quality of Alerts and Predicting Intruder's Next goal with Hidden Colored Petri-Net." In: *International Journal on Computer Networks (ComNet)* 51(3):632-654.

1.18 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.
2. 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.
3. 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.
4. 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.
5. Fink GA. 2007. "Nontraditional Approaches to Cyber Security." Presented by Glenn Fink at IT Day 2007, Kennewick, WA on May 9, 2007.

6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. Greitzer FL. 2008. "A Sensemaking Perspective on Situation Awareness in Power Grid Operations." Presented by Frank L. Greitzer (Invited Speaker) at IEEE Power Engineering Society General Meeting, Pittsburgh, PA on July 21, 2008.
12. 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.
13. 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.
14. 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.
15. 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.

16. 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.
17. 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.
18. 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.
19. 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.

1.19 Reviewed Papers

1. Erbacher R, B Endicott-Popovsky, and D Frincke. 2007. "Challenge Paper: Validation of Forensic Techniques for Criminal Prosecution." In: The 2nd International Workshop on Systematic Approaches to Digital Forensics Engineering, pp. 150-154.

1.20 Special Editions and Proceedings

1. Frincke, DA. Guest Editor with F. Siebenlist and M. Altuney, Special Edition of *International Journal of Computer Networks* on Performance Sensitive Security in Very Large Scale Collaboration, in progress, to appear 2010.
2. Frincke, DA. Guest Editor with A. Wespi and D. Zamboni, Special Edition of *International Journal of Computer Networks* on Automated Defense Systems for Network Security, 51(5), 2007.

1.21 Unpublished Technical Reports

1. Zabriskie M and FL Greitzer. 2008. Employment Data as a Predictive Indicator of Insider Threats to Cyber Security. Pacific Northwest National Laboratory, Richland, WA. [This report hasn't been distributed outside PNNL]

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. Frincke, DA. Member, Advisory Board, Certificate in Virtual Reality, University of Washington, Fall 2008-present.
3. 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.
4. Greitzer, FL. *Adjunct Professor*, Computer Science and Psychology Departments, Washington State University, Tri-Cities campus, 2005-present.
5. Frincke, DA. Member, Idaho Space Grant Consortium Advisory Committee, Spring 2005-2009.
6. Frincke, DA. Member, Advisory Board, Certificate in Information Assurance and CyberSecurity, University of Washington, Fall 2004-present.
7. Frincke, DA. Member, Executive Steering Committee, Center for Information Assurance and CyberSecurity, University of Washington, Fall 2004-present.
8. Frincke, DA. Member, Idaho NASA/EPSCOR Technical Advisory Committee, Spring 2004-2009.
9. Frincke, DA. Member, Westinghouse's Savannah River Commission Security Committee, January 2003-present.
10. 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. 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.
2. Frincke, DA. Member, *International Journal of Information and Computer Security*, Editorial board member, joined founding board, June 2004-present.

3. Frincke, DA. Member, Elsevier International *Journal of Computer and Telecommunications Networking (COMNET)*, formerly *Computer Networks and ISDN Systems*, Editorial Board Member, October 2001-present.
4. Frincke, DA. Member, *Journal of Computer Security*, Editorial Board Member, December 2000-present.
5. 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.

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

1. Frincke, DA. General Chair Emeritus, IEEE International Workshop on Visualization for Computer Security (VizSEC), to be held 2010.
2. Frincke, DA. Registration Chair, IEEE Security and Privacy Conference, to be held 2010.
3. Frincke, DA. General Chair, IEEE International Workshop on Visualization for Computer Security (VizSEC), October 2009.
4. Frincke, DA. Co organizer, DOE Cyber Security Grass Roots Writing Meeting, Washington, D.C., October 2008.
5. Frincke, DA. Co organizer and meeting facilitator, Classified Commentary on DOE Cyber Security Grass Roots Agenda, Sandia National Laboratories, Albuquerque, NM, September 2008.

6. Frincke, DA. Co organizer, Sponsor, and meeting facilitator, Classified Commentary on DOE Cyber Security Grass Roots Agenda, Washington, D.C., August 2008.
7. Frincke, DA. Sponsor and meeting facilitator, Workshop on Privacy and Cyber Analytics, University of Washington, Seattle, WA, August 2008.
8. 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.
9. Frincke, DA. Co organizer and meeting facilitator, DOE Cyber Security Grass Roots Town Hall 1, Argonne National Laboratory, Argonne, IL, January 2008.
10. Frincke, DA. Program Chair and member of organizing committee: 2nd International Workshop on Systematic Advances in Digital Forensic, Engineering, Seattle, WA, April 2007.
11. 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, 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. Huang, Z. Invention Disclosure, 16426 – A Method to Detect Manipulated SCADA Data Based on State Estimation Residuals, July 21, 2009.
10. Huang, Z. Invention Disclosure, 16027 – A Method for Network Trending Analysis and Its Application to Power Grid Operations, June 13, 2008.
11. Huang, Z. Invention Disclosure, 16023 – Advanced Contingency Analysis Visualization for Power Grid Operations, June 13, 2008.
12. Hughes, CO. Invention Disclosure, 16560 – Abstract Machines, November 17, 2009.
13. Hughes, CO. Invention Disclosure, 16565 – Ephor, November 11, 2009.
14. Hughes, CO. Invention Disclosure, 16562 – Hoplite, November 11, 2009.
15. Hughes, CO. Invention Disclosure, 16561 – Scenario Based Network Overlay Mesh, November 11, 2009.
16. Oehmen, CS. Invention Disclosure, 16614 – Parallel Support Vector Machine Algorithm using POSIX threads, December 28, 2009.
17. Paulson, PR. Invention Disclosure, 16517 – Subset of Dempster Shafer Theory processable by Bayesian Network Software, January 25, 2010.
18. Paulson, PR. Invention Disclosure, 16507 – Formal Risk Models for Cyber-Response Prioritization, October 12, 2009.

3.2 Patents Pending

1. Huang, Z. Invention Disclosure, 16023 – Advanced Contingency Analysis Visualization for Power Grid Operations, June 13, 2008.

4.0 AWARDS

4.1 Awards, Recognitions and Honors

1. 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
2. Frincke, DA. Outstanding Academic Contributions Award, Colloquium for Information Systems Security Education, 2009.
3. 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.
4. Huang, Z. Institute of Electrical and Electronics Engineers (IEEE) Power & Energy Society (PES) Outstanding Young Engineer Award, 2009.
5. Oehmen, CS. PNNL Lab Directors LR Brodzinski Early Career Award, 2009.

5.0 NEW HIRES, POST-DOCS, STUDENTS

5.1 Students

1. Aaron Alva, Florida State University, 2008, 2009, 2010
2. Alex Endert, Virginia Tech, 2009
3. Bryan Williams, Wake Forest University, 2009
4. Steena Montiero, Utah State University, 2007, 2009
5. Wes Featherstun, Wake Forest University, 2009

5.2 New Hires

1. Alan Fligg, 2009
2. David Manz, 2010
3. Glenn Fink, 2007
4. Mohamed Eltoweissy, Virginia Tech, March, 2010
5. Peter Hui, 2009

6. Thomas Carroll, Wayne State University, 2009

7. Yousu Chen, 2008

5.3 New Hires – Post Docs

1. Patrick Nichols, 2008

5.4 New Hires – Students

1. Jian Ma, 2008

2. Joshua Short, 2010

3. Xinxin Guo, 2010

6.0 OTHER

6.1 Other Activities

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