

Melissa Jane Dark
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Educational Background

Fellow	2008-2009	Purdue University, Study in a Second Discipline, Political Science and Economics
Ph.D.	2000	Purdue University, Curriculum and Instruction, Specialization, Program Assessment and Evaluation
M.S.	1993	Purdue University, Instructional Research and Development, Specialization: Measurement and Evaluation
B.A.	1983	Purdue University, Foreign Language Education and Communications

Academic Appointments

2009-present	Associate Dean for Strategic Planning and Research, College of Technology, Purdue University
2007-present	Professor, Computer and Information Technology, College of Technology, Purdue University
2000-present	Assistant Director for Educational Programs, Center for Education and Research in Information Assurance and Security (CERIAS), Purdue University
2003-2009	Assistant Dean for Strategic Planning and Research, College of Technology, Purdue University
2003-2007	Associate Professor, Computer and Information Technology, College of Technology, Purdue University
2005-2006	Interim Assistant Dean for Graduate Studies, College of Technology, Purdue University
2003-2005	Research Scientist, Arxan Technologies, Research Scientist
2001-2002	Research Scientist, The Evaluation Center, Western Michigan
1996-2000	Assistant Director, Midwest Center for Advanced Manufacturing Education, School of Technology, Purdue University

Awards and Honors

2010	W.C. Furnas Professor of Technology, Purdue University
2008	Study in a Second Discipline Fellowship, Purdue University
2006	Seeds for Success, Purdue University
2006	Faculty Scholar, Purdue University
2005	Outstanding Tenured Faculty, Computer and Information Technology Department, Purdue University
2004	Outstanding Tenured Faculty, Computer and Information Technology Department, Purdue University
2004	Seeds for Success, Purdue University

Internal Committees

- Information Technology Operational Oversight Committee, Interdisciplinary Research, Co-Chair
- Computer and Information Technology Department Head Search Committee Co-Chair
- Purdue University Global Policy Research Institute Faculty Advisor
- Purdue University Global Policy Research Institute Launch Team Member
- Purdue University P-12 Engagement Working Group Member
- College of Technology Strategic Plan Implementation Team Co-Chair, Discovery with Delivery
- College of Technology Strategic Planning Committee Chair
- College of Technology Faculty Scholar Selection Committee Chair
- College of Technology Area Promotions Committee Member
- Purdue University Research Ethics Committee Member
- College of Technology Financial Advisory Committee Member
- Higher Learning Commission/North Central Accreditation Criterion 4 Co-Chair
- Center for the Environment Internal Advisory Council Member
- Purdue University Graduate Education Advancement Committee Member
- Director of Regenstrief Search Committee Member
- Purdue University Dean of Graduate School Search Committee Member
- College of Technology Research Advisory Committee Member
- Purdue University Strategic Research Initiatives Committee Member
- Purdue University P-12 sTEem Search Chair
- High Performance Computing Search Committee
- College of Technology Associate Dean for Graduate Education Search Committee Chair
- College of Technology Building Construction Management Technology Department Head Search Committee Chair
- Computer and Information Technology Graduate Education Committee Member
- Computer and Information Technology Cyberforensics 2nd Faculty Search Committee Member
- Computer and Information Technology Cyberforensics 1st Faculty Search Committee Chair

External Committees and Boards

- TRUST STC Reverse Site Visit Team Member, National Science Foundation
- ADVANCE Institutional Transformation, Panelist, National Science Foundation
- Program Chair, Annual Conference on Education in Information Security
- NCWIT Reverse Site Visit Chair, National Science Foundation
- Annual Conference on Education in Information Security, Program Committee
- International Journal of Problem Based Learning, Peer Reviewer
- Encyclopedia of Information Ethics and Security, Peer Reviewer
- Colloquium for Information Systems Security, Peer Reviewer
- Annual Symposium on Information Assurance, SUNY Albany, Program Committee
- Information Systems Security, A Practitioner and Applied Research Publication on Information Systems Security, Board of Advisors
- Chartered Advisory Committee Member, National Science Foundation, Science and Technology Center, TRUST (Team for Research on Ubiquitous Security Technologies)
- Panel Reviewer for Cybercorp, REU, Assessing Student Achievement, Cybertrust, National Science Foundation
- Co-chair of a mini-track on Information Security Research and Education at the 39th Hawaii International Conference on Systems Science
- Advisor, 4FrontSecurity, IMS Knowledge Management System - provide review and advice on a knowledge management system for information security.

- Advisor, Information Systems Forensics Association Certification Examination - advise on the development of an industry certification program in digital forensics.
- IHETS Program Committee Member, IHETS (Indiana Higher Education Telecommunication System) - review grant proposals.
- Advisor, eSmart Security Risk Assessment Tool - advise on the development of a tool to assess information security risk for corporations.

Publications

- Dark, M. (2010). Data breach disclosure: A policy analysis. In M. Dark (Ed.) *Information Assurance and Security Ethics in Complex Systems: Interdisciplinary Perspectives*, IGI Global: Hershey, PA. ISBN 978-1-61692-245-0.
- Goldschmidt, C., Dark, M., and Chaudhry, H. (2010). Responsibility for the harm and risk of software security flaws. In M. Dark (Ed.) *Information Assurance and Security Ethics in Complex Systems: Interdisciplinary Perspectives*, IGI Global: Hershey, PA. ISBN 978-1-61692-245-0.
- Dark, M. (Ed.). (2010). *Information Assurance and Security Ethics in Complex Systems: Interdisciplinary Perspectives*, IGI Global, Hershey, PA.
- Cooper, S., Nickell, C., Piotrowski, V., Oldfield, B., Abdallah, A., Bishop, M., Caelli, B., Dark, M., Hawthorne, E. K., Hoffman, L., Pérez, L. C., Pflieger, C., Raines, R., Schou, C., and Brynielsson, J. (2010). An exploration of the current state of information assurance education. *SIGCSE Bulletin*, 41(4), pp. 109-125.
- Farahmand, F., Dark, M., Liles, S. and Sorge, B. (2009). Risk perceptions of information security: A measurement study. *Proceedings of the International Conference on Computational Science and Engineering, Vancouver, BC, Canada*, 462-469.
- Dyehouse, M., Bennett, D., Harbor, J., Childress, A., & Dark, M. (2009). A comparison of linear and systems thinking approaches for program evaluation illustrated using the Indiana Interdisciplinary GK-12. *Evaluation and Program Planning*, 32(5), pp. 187-196.
- Dark, M., Rebow, M., & Coyle, E. (2009). How to establish a transatlantic collaborative research framework, *INTED, Valencia, Spain*, pp. 12.
- Dark, M., Goldman, J., Hacker, T., Marshall, B., & Smith, A. (2009). Dark web patterns. Poster. *Proceedings of the WebSci 2009: Society Online Conference, Athens, Greece*.
- Riskowski, J, Davis, C. Wee, B. Dark, M., & Harbor, J. (2009). Exploring the effectiveness of an interdisciplinary water resources engineering module in an eighth grade science course, *International Journal of Engineering Education*, 25(1). 181-195.
- Dondera, R., Jia, C., Popescu, V., Nita-Rotaru, C., Dark, M., & York, C. (2008). Virtual classroom extension for effective distance education. *IEEE Computer Graphics and Applications*. January/February 2008, pp 32-42.
- Dark, M., York, C., Yang, D., Popescu, P., & Nita-Rotaru, C. (2008). A pilot study on the design effectiveness of a new distance learning system. *American Association of Educational Research 2008*.
- Rigby, S., Dark, M., Ekstrom, J., Rogers, M. (2008). Measuring conceptual understanding: A case study. *Proceedings of the 9th conference on Information Technology Education, Cincinnati, OH*.
- Dark, M., & Bishop, M. (2008). Evaluating the efficacy of software security curriculum exercises. Faculty Workshop on Secure Software Development, Orlando, FL.
- Harbor, J., Dark, M., Bennett, D., & Davis Todd, C. (2007). Interdisciplinary GK-12 teams working with middle school science and math in rural Indiana. *Association of American Geographers Annual Meeting, San Francisco, CA*.
- York, C., Yang, D., & Dark, M. (2007). Transitioning from face-to-face to online instruction: How to increase presence and cognitive / social interaction in an online Information Security Risk

- Assessment class. *International Journal of Information and Communication Technology Education*. Vol. 3 (2). 42-52.¹
- Dark, M., Epstein, R., Morales, L., Counterline, T., Yuan, Q., Ali, M., Rose, M., Harter, N. (2007). A pedagogical framework for ethical development (507-512). *Encyclopedia of Information Ethics and Security*. Information Science Reference: Hershey, PA. ISBN: 978-1-59140-987-8.
- Rigby, S., Dark, M., Ekstrom, J., & Rogers, M. (2007). Preparing IAS graduates to recognize and manage complexity. *Proceedings of the 8th conference on Information Technology Education, Sandestin, FL*.
- Dark, M., York, C., Popescu, V., & Nita-Rotaru, C. (2007). Evaluating interactivity and presence in an online distance learning system. *Frontiers in Education, Milwaukee, WI*.
- Dark, M., & McPherson, C. (2007). Privacy perceptions in public education (289-298). *Proceedings of the Human Computer Interface International Conference, Beijing, China*. Springer-Verlag. ISBN: 978-3-540-73353-9.
- Nita-Rotaru, C., Dark, M., & Popescu, V. (2007). A multi-expertise, application-driven class (119-123). *Proceedings of the 38th SIGCSE Technical Symposium on Computer Science Education, Covington, Kentucky*. ISBN:1-59593-361-1.
- Farahmand, F., Spafford, E., & Dark, M. (2007). Perceptions of information security risks and implications for public policy. *Fourth Annual Forum on Financial Information Systems and Cybersecurity: A Public Policy Perspective*. College Park, MD.
- Dark, M., & Manigault, C. (2006). Creating open-ended problems for STEM courses using information assurance and security themes. *Information Assurance Symposium*. Albany, NY. 66-71.
- Dark, M., & Bailey, G. (2006). Information security risk analysis: Model courseware. *Information Assurance Symposium*. Albany, NY. 61-65.
- Rose, M., & Dark, M. (2006). Use of a flexible learning object architecture to teach computer forensics. TLT Conference, Purdue University, West Lafayette, IN. 1-4.
- Ekstrom, J., Dark, M., Lunt, B., & Reichgelt, H. (2006). A research agenda for information technology: Does research literature already exist? (19-24) *Proceedings of the 7th conference on Information Technology Education, Minneapolis, MN*. ISBN:1-59593-521-5.
- Dark, M., & Manigault, C. (2006). Creating open-ended problems for STEM courses and diverse learners using information assurance and security themes. *4th International Conference on Education and Information Systems, Technologies and Applications: EISTA '06*. Orlando, FL. 109-115.
- Rigby, S., & Dark, M. (2006). Designing a flexible, multipurpose remote lab for the IT curriculum. *Proceedings of the ACM SIGITE 2006 Conference*. Minneapolis, Minnesota.
- Dark, M., Ekstrom, J., & Lunt, B. (2006). Experience implementing IT2005 IAS curriculum into existing programs. *Colloquium for Information Systems Security Education*. Adelphi, Maryland. 144-149.
- Dark, M., Epstein, R., Morales, L., Counterline, T., Yuan, Q., Ali, M., Rose, M., Harter, N. (2006). A framework for information security ethics education. *Colloquium for Information Systems Security Education*. Adelphi, Maryland. 109-115.
- Ekstrom, J., Dark, M., Lunt, B. (2006). Implementation of information assurance and security in existing IT curricula. *Proceedings of the American Society for Engineering Education*. Chicago, IL. 1-7.
- Dark, M. (2006). Jackie Adams: Case Study #1. In P. Ertmer & J. Quinn (Eds). *The ID Casebook: Case Studies in Instructional Design* (3rd ed.). Prentice Hall. ISBN 0-13-171705-7.
- Dark, M. (2006). Jackie Adams: Case Study #2. In P. Ertmer & J. Quinn (Eds). *The ID Casebook: Case Studies in Instructional Design* (3rd ed.). Prentice Hall. ISBN 0-13-171705-7.

¹ This article was also selected for reprint in *Information Communication Technologies: Concepts, Methodologies, Tools, and Applications*, C. Slyke Editor, published in 2008.

- Ekstrom, J., Dark, M., Lunt, B. (2006). Integration of information assurance into the IT2005 model curriculum. *Journal of Information Technology Education*. Vol. 5. 389-402.
- Dark, M., Harter, N., Ludlow, G., & Falk, C. (2006). Ethical attributes in computing and computing education: An exploratory study. *Journal of Information, Communication and Ethics in Society*. Vol. 4 (2). 67-75.
- Rigby, S., & Dark, M. (2006). Using outcomes-based assessment data to improve assessment and instruction: A case study. *SIGITE Newsletter*. Vol. 3 (1). 10-16.
- Lee, H., Dark, M., & Chen, K. (2005). Incorporating ethics into management information systems curriculum in business schools. *Issues in Information Systems*, Vol. IV (1). 360-364.
- Dark, M., Garcia, M., Ghansah, I., Yuan, Q., Shing, C., and Chen, J. (2005). Faculty development: What works and what doesn't. In Proceedings of SecureIT. *San Diego, CA*. 1-4.
- Dark, M. (2005). Security training, education, and awareness from a human performance technology point of view (86-104). In M. Whitman and H. Mattord (Eds). *Readings and Cases in the Management of Information Security*, Thomson Course Technologies. ISBN 0-619-21627-1.
- Dark, M., Ekstrom, J., & Lund, B. (2005). Integration of information assurance and security into the IT2005 model curriculum. *Proceedings of the ACM SIGITE 2005 Conference*. Newark, NJ. 7-14.
- Dark, M., Garcia, M., Yuan, Q., Ghansah, I., Chen, J. Lee, H., & Shing, C. (2005). Adaptation of a state of the art computer forensics course. *Proceedings of the International Conference for Young Computer Scientists*. Beijing, China. 120-123.
- Dark, M., Justice, C., & Morales, L. (2005). A methodology for developing and disseminating curriculum resource material in information security. *Proceedings of the 9th Colloquium for Information Systems Security*, Atlanta, GA. 86-92.
- Dark, M. & Winstead, J. (2005). Using Educational Theory and Moral Psychology to Inform the Teaching of Ethics in Computing. *Proceedings of the 2005 Association for Computing Machinery Information Security Curriculum Development Conference*. Kennesaw, GA. 27-31.
- Yang, D., & Dark, M. (2005). A service learning project of information security risk assessment for K12 school corporations. In Proceedings of Association for the Advancement of Computing in Education (AAE) Society for Information Technology and Teacher Education (SITE) International Conference, *Phoenix, AZ*. 1672-1677.
- Dark, M. (2004). Civic Responsibility and Information Security: An Information Security Management, Service Learning Course, *Proceedings of the 2004 Association for Computing Machinery Information Security Curriculum Development Conference*, Kennesaw, GA. 15-19.
- Dark, M. (2004). Assessing Student Performance Outcomes in an Information Security Risk Assessment, Service Learning Course. *Proceedings of the 2004 Association for Computing Machinery SIGITE Annual Conference*. Salt Lake City, UT. 73-78.
- Dark, M., Ghafarian, A., & Yu, J. (2004). Integrating Ethical and Social Issues into the Undergraduate Computer Science Curriculum Using Case-Based Instruction. Poster at the *2004 Association of Computing Machinery Computer Science Education Annual Conference*.
- Dark, M. (2003). Evaluation theory and practice as applied to security education (197-214). In C. Irvine and H. Armstrong (Eds). *Security Education and Critical Infrastructures*. Kluwer Academic Publishers. ISBN:1-4020-7478-6.
- Dark, M. (2003). A models and modeling perspective on skills for the high performance workplace. (279-296). In R. Lesh & H. Doerr (Eds.), *Beyond Constructivism: A Models and Modeling Perspective on Mathematics Teaching, Learning, and Problem Solving*. Lawrence Erlbaum Associates: Hillsdale, NJ. ISBN 0-8058-3822-8.
- Dark, M. (2003). Evaluation. (285-290). In A. Kovalchic & K. Dawson (Eds.), *Educational Technology: An Encyclopedia*. ABC-CLIO, Santa Barbara, CA. ISBN 1-57607-351-3.

- Dark, M. (2003). Knowledge management. (389-392). In A. Kovalchic & K. Dawson (Eds.), *Educational Technology: An Encyclopedia*. ABC-CLIO, Santa Barbara, CA. ISBN 1-57607-351-3.
- Rose, M. & Dark, M. (2003). Just-in-time training. (382-388). In A. Kovalchic & K. Dawson (Eds.), *Educational Technology: An Encyclopedia*. ABC-CLIO, Santa Barbara, CA. ISBN 1-57607-351-3.
- Dark, M. (2003). Teaching with technology features. In. R. Slavin, *Educational Psychology* (7th Ed.). Allyn & Bacon, New York. ISBN 0-205-29270-4.
- Dark, M. (2003). Jackie Adams: Case Study #1. In P. Ertmer & J. Quinn (Eds). *The ID Casebook: Case Studies in Instructional Design* (2nd ed.). Prentice Hall. ISBN 0-13-094321-5.
- Dark, M. (2003). Jackie Adams: Case Study #2. In P. Ertmer & J. Quinn (Eds). *The ID Casebook: Case Studies in Instructional Design* (2nd ed.). Prentice Hall. ISBN 0-13-094321-5.
- Dark, M. & Davis, J. (2003). Defining a Curriculum Framework in Information Assurance and Security. *Proceedings of the 2003 American Society for Engineering Education Annual Conference and Exposition, Nashville, TN*. 1-6.
- Dark, M., Raskin, V., & Spafford, E. (2003). The educational mission of CERIAS: Multidisciplinary information assurance and security education from cradle to grave. *National Security Telecommunications Advisory Committee. Washington, DC*.
- Davis, J. & Dark, M. (2003). A Curriculum Framework for the Emerging Discipline of Information Assurance. *Proceedings of the 2003 American Society for Engineering North Midwest Regional Conference, Ames, IA*. 1-6.
- Davis, J., & Dark, M. (2003). Teaching students to design secure systems. *IEEE Security & Privacy*, March/April 2003. 56-58.
- Dark, M. (2003). An overview of evaluation theory and practice as applied to information security education. *Proceedings of the Third World Information Security Education Conference, Monterey, CA*. 18-24.
- Dark, M., & Davis, J. (2002). Report on information assurance curriculum development. *Colloquium for Information Systems Security Education Proceedings, Redmond, WA*. 1-16.
- Dark, M., Ghafarian, A., Saheb, M.A., & Yu, J. (2002). Information Ethics and Social Issues in the Undergraduate Computer Science Curriculum, *Colloquium for Information Systems Security Education Proceedings, Redmond, WA*. 87-92.
- Dark, M., & Holsman, R.H. (2002). Development of an evaluation checklist for communicating about environmental education. *Applied Environmental Education and Communication, Vol. 1* (3), 183-191.
- Dark, M., & Holsman, R.H. (2001). Communicating about environmental education: Preaching beyond the choir. *North American Association for Environmental Education Conference Proceedings, Little Rock, AK*. 19-24.
- Dark, M., Choy, D., & Johnson, T. (2001). Learning anytime anyplace: A professional development certification model for distributed information security education. Poster Session, *Topics on Distance Learning Conference*. June, 2001.
- Dark, M. (2001). A profile of information security training needs on university campuses. *EduCause Mid-Atlantic Regional Conference Proceedings, Baltimore, MD*. 1-22.
- Dark, M., & Depew, D.R. (1998). Improving the quality of student learning with faculty and curriculum development. *International Technology Educators Association Annual Conference Proceedings, Dallas, TX*. 47-52.
- Dark, M., & Depew, D.R. (1998). Creating a competitive edge with faculty and curriculum development. *American Society of Engineering Education Annual Conference Proceedings, Seattle, WA*. 1-7.

Invited Presentations

- 2010 - "CyberEd 13-20", Working Group Lead, 2010 NSA/DHS CAE Principals Meeting.
- 2010 - "Building a Secure Programming Curriculum", Keynote Note Speaker, Summit on Education in Software Security, Washington DC.
- 2010 - "Innovations in Information Assurance and Security Education", Invited Speaker, Regional Cyber Colloquium, Bossier, Louisiana.
- 2006 - "Implementing the Information Security Risk Analyst Standard", Invited Panelist, Colloquium for Information Systems Security Education. Adelphi, MD.
- 2006 - "How to Develop and Deliver Masters Level Programs in Engineering Technology: Issues in Curriculum, Faculty Development and On-line Delivery". CIEC. San Antonio, TX.
- 2006 - "Developing a Specialization in Cyber Forensics: Curriculum and Outreach", Information Assurance and Security Workshop, Fairbanks, AK.
- 2005 - "Information Assurance and Security Education and Outreach", Information Assurance and Security Workshop, Fairbanks, AK.
- 2005 - "Outcomes Based Assessment", Tuskegee University, Tuskegee, AL.
- 2005 - "Information Security Ethics:", Tuskegee University, Tuskegee, AL.
- 2005 - "Cybertrust Education and Outreach", Invited Panelist at the National Science Foundation Cybertrust PI Meeting. Newport Beach, CA.
- 2005 - "Constructivism and Information Security Ethics." CERIAS Workshop on Information Security Ethics, San Diego, CA.
- 2004 - Center of Academic Excellence Efforts to Improve Information Assurance Policy", Annual Information Assurance Directorate Hosted Meeting for Presidents of Centers of Academic Excellence in Information Assurance Education, Washington DC.
- 2004 - "Academic Alliances and Initiatives in the Computer/Information Security Arena", Northeast Center for Computer and Information Systems Security Conference, Baltimore, MD.
- 2004 - "Working with Historically Underrepresented Colleges and Universities", Colloquium for Information Systems Security Education, Washington DC.
- 2003 - "Center for Faculty Development in Information Security", Annual Information Assurance Directorate Hosted Meeting for Presidents of Centers of Academic Excellence in Information Assurance Education. Washington DC.
- 2003 - "Information Assurance Curriculum of the Future", Federal Information Systems Security Educators' Association, Washington DC.
- 2002 - "The State of Information Assurance Education", National Information Assurance Leadership Conference, Washington DC.
- 2002 - "Intellectual Property Rights and Security Technologies" North Georgia College and State University Faculty Development Series, Dahlonega, GA.
- 1998 - "Best Practices in Program Evaluation", Best Practices in Manufacturing Conference, Dayton, OH.

Teaching

Tech 621T	Technology and Policy
Tech 623R	Information Security Risk Research
Tech 621E	Ethics Implications of an Information Age
C&IT 623	Instructional Research in Information Assurance Education
Tech 621D	Seminar in Post-Secondary Education
Tech 581O/CPT 581E	Information Security Management
Tech 590W2	Applied Research Problems in Business and Industry
Tech 590W1	Literature Review and Writing for Business and Industry
IT 104	Introduction to Industrial Organization and Management

Grantsmanship²

Building Resources for Information Assurance and Security – A Capacity Building Project, 2011-2014, \$599,858, Principal Investigator. Pending.

REU Site: Multi-disciplinary Information Assurance and Security, 2011-2014, \$338,228, Principal Investigator. Pending.

Preparing Cybersecurity Leaders, National Science Foundation, 2010-2014, \$2,332,893, Co-principal Investigator. Recommended for funding.

ITiCSE Information Assurance Working Group, National Science Foundation, 2010-11, \$32,200, Co-principal Investigator.

The Indiana Interdisciplinary GK-12: Bringing Authentic Problem Solving in STEM to Rural Middle Schools, National Science Foundation, 2006-2009, \$1,624,006, Co-principal Investigator.

Collaborative Project: Information Security Ethics; A Constructivist/Moral Development Approach, National Science Foundation, 2006-2009, \$113,640, Principal Investigator.

Dissemination of Security Curriculum via WWW, SUNY at Albany (subcontract on a National Science Foundation Grant), 2005-2006, \$30,000, Principal Investigator.

Collaborative Research: A Comprehensive Policy-Driven Framework for Online Privacy Protection: Integrating IT, Human, Legal, and Economic Perspectives, National Science Foundation, 2004-2006, \$666,001, Co-principal Investigator.

Effective Distance Learning through Sustained Interactivity and Video Realism, National Science Foundation, 2004-07, \$539,999, Co-principal Investigator.

DoD Information Assurance Scholarship Program, National Security Agency, 2004-05, \$60,194, Co-principal Investigator.

Center for Computational Homeland Security, (CCHS): A Center of Excellence Proposal, 21st Century Research and Technology Fund, 2004-2006, \$2,199,070, Co-Principal Investigator.

Collaborative Project: Capacity Building in Information Assurance and Computer Security, National Science Foundation, 2003-2005, \$114,792, Principal Investigator.

Center for Information Assurance Faculty Development, National Security Agency, 2002-2005, \$908,000, Principal Investigator.

Modular Information Security Training, CIC, 2002-2003, \$11,700, Principal Investigator.

A Summer Workshop for Beginning InfoSec Educators, National Science Foundation, 2001-2004, \$199,128.

Information Security Distance Education Modules, IHETS, 2001-2002, \$15,000, Principal Investigator.

CD Based Case Studies in Industrial Management, IHETS, 2000-2001, \$12,000, Co-principal Investigator.

CyberCenter, Purdue University Lilly Endowment Funding, 2005-2010, \$1,500,000, Co-Principal Investigator.

Development of Reusable Learning Objects in Cyberforensics, ITAP, 2005-06, \$15,000, Principal Investigator.

² The first two proposals are pending and the third recommended for funding. The other entries are awards.

Graduate Student Advisement

Served as Major Professor

Bailey, George: Ph.D. in Technology underway.

Bear, Gary: M.S. in Technology, 2002. Measuring and Reporting the Cost of Poor Quality.

Blake, Greg: M.S. in Technology, 2002. Competency Based Instruction for Aerospace Gear Engineers.

Burchett, James: M.S. in Technology, 2005. Computer Forensic Data Unit Layer Testing.

Hardy, Jason: M.S. in Technology, 2005. HIPAA Threat Analysis Modeling in a Medical School Environment.

Hendricks, Renee: M.S. in Technology, 2003. A Study of the Factors Causing Infant Security Alarms.

Inman, Michael: M.S. in Technology, 2004. Designing an Industrial Controls and Automation Laboratory Sequence.

Marsico, Christopher: M.S. in Technology, 2005. Digital Music Device Forensics.

McPherson, Clewin: M.S. in Technology, 2006. Criteria for Choosing a Digital Identity Management Solution for Sarbanes-Oxley Compliance.

Motter, Brian: M.S. in Technology, 2002. Digital Industrial Radiography to Replace Film in Testing Dense-Metal Components of Varying Thickness.

Reath-Hansen, Angela: M.S. in Technology, 2003. Trainers' Guide to Adult Learning Transfer of Training, Instructional Design, and Reflective Learning.

Rigby, Steven: Ph.D. in Technology, 2009. The Efficacy of Cross-Discipline Representations for Ill-Defined IAS Concepts.

Subramanian, Krishnaswami: M.S. in Technology, 2003. Choosing a Standard PDA (Personal Digital Assistant) for the Enterprise.

Sorge, Brandon: Ph.D. in Technology underway.

Tabernik, Ty: M.S. in Technology, 2002. Age-based Usability for the World Wide Web.

Graduate Student Committees

Bouffard, David: M.S. in Technology, 2005. Electro-Pump for Cold Climate Residential Heating Applications.

Brown, Ronnie: M.S. in Technology, 2003. Factors that Influence Coordinate Measuring Machine Linearity.

Clopton, Christopher: M.S. in Education, 2006. Development of a FFT Certification Course Using a Case Based Instruction Model.

Diaz, Rudy: M.S. in Technology, 2002. Identification of Error through Pareto Analysis for Future Mistake Proofing of Operations.

Falk, Courtney: M.S. in Philosophy, 2005. The Ethics of Cryptography.

Grow, Kevin: M.S. in Technology, 2002. Evaluation of a Noise Measurement System Pilot Implementation.

Hoeschele, Michael: M.S. in Technology, 2006. Detecting Social Engineering.

Louks, Russell: M.S. in Technology, 2002. A Design and Testing Methodology for an Automotive Telematic User Interface.

Ludlow, Gram: M.S. in Philosophy, 2004. Securing the Pipeline: Increasing Women in Computer Science through Information Security Curriculum.

Martinez, Kermin: Ph.D. in Chemical Education underway.

Orth, Daryl: Ph.D. in Education, 2003. Predicting Student Success in a Building Construction Management Program.

Rao, Preeti, M.S. in Technology, 2011 underway.

Rosco, Russell: Ph.D. in Technology underway.

- Santone, Adam: Ph.D. in Technology, 2009. Visuospatial Characterization and Analysis of Spatial Abilities of Video Game Players.
- Shepard, Steven: M.S. in Technology, 2002. Machinability and Tooling Optimization of Microalloyed Steel.
- Xu, Hua: M.S. in Technology, 2005. A Guideline to Design a Secure Web Application.
- Yang, Dazhi: Ph.D. in Education, 2008. The Development of a Content Analysis Model for Assessing Students' Cognitive Learning in Asynchronous Online Discussions.
- York, Cindy: Ph.D. in Education, 2010. Extracting Heuristics from Experienced Instructional Designers.