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Dr. Abu-Ghazaleh joined the Computer Science department in 1998. He received his M.S. and Ph.D. degrees in Computer Engineering from the University of Cincinnati in 1994 and 1997 respectively. He has a B.Sc. in Electrical Engineering from the University of Jordan. His research interests are in mobile computing and networking, sensor networks, parallel and distributed systems and high performance computing.

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George has been an IT professional for over 13 years. He is currently employed as a Senior Security Engineer at Ivy Tech Community College of Indiana while he is working on completing his Doctoral degree in Information Assurance Management from Purdue University. At Ivy Tech, George is involved with implementing a statewide wireless network, among other college-wide security initiatives. His research interests are identity management, role-based access controls, biometrics, network security, and remote access.

Sankalp Balachandran

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Sankalp Balachandran graduated with a M.S. in Computer Science at the University of Memphis in Fall 2005. He has participated in numerous publications in the areas of artificial immune systems, genetic algorithms, intrusion detection, and other security-related work with Dr. Dasgupta.

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Steffani is an expert in applying analytics to security issues in the private and public sectors. She is the Executive Director of the Information Security in Academic Institutions research project funded by the National Institute of Justice. Related activities include New York Police Department (NYPD) auxiliary police officer, incident commander for Citizens Emergency Response Team (CERT), and Director of Research for the LI Metro InfraGard Alliance. Relevant education includes CISSP (summer 2006), Columbia University (Ph.D. 1998), and University of Chicago (B.A. 1988).

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Stephen is a researcher in Active Networking and Algorithmic Communications Network Theory at the GE Global Research Center. He explores novel concepts in complexity and algorithmic information theory for applications ranging from network management and wireless ad hoc networking to RNA

sequence analyses and novel concepts in nanotechnology-based networking. He has been the Principal Investigator for many DARPA and Lockheed Martin sponsored research projects including: Active Networking (DARPA/ITO), Information Assurance and Survivability Engineering Tools (DARPA/ISO), Fault Tolerant Networking (DARPA/ATO) and Connectionless Networks (DARPA/ATO), an energy aware sensor network project. Stephen coauthored a book on active network management, titled Active Networks and Active Network Management: A Proactive Management Framework, published by Kluwer Academic Publishers. Before joining GE Global Research, Stephen was a researcher at the Information and Telecommunications Technologies Center (ITTC) at the University of Kansas. He completed his Ph.D. research at the University of Kansas where he received a Strobel Scholarship Award.

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Madhusudhanan Chandrasekaran is a third year Ph.D. student at University at Buffalo. His research interests Computer Security, and Forensics with particular focus on malware defense, attack traceback, e-mail attribution and anti-Phishing efforts.

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Mr. Christensen is an undergraduate student in the Computer Science department at Utah State University where he will graduate with his bachelors degree in Computer Science this spring. Mr. Christensen has been developing visualization techniques and software infrastructures for intrusion detection and network forensics under Dr. Erbacher since the fall of 2004. He expects to enter the graduate program at Utah State University this fall.

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Melissa Dark is an Associate Professor in Computer Technology and Assistant Dean in the School of Technology at Purdue. She has extensive experience in post-secondary science, technology, engineering, and math (STEM) education. Melissa completed her Ph.D. work at Purdue University and throughout her career has worked on several stem curriculum and instruction projects with business and industry, government, and higher education. She has led faculty development projects in technology education and information security education aimed at increasing the knowledge and skills of secondary and post-secondary educators throughout the United States. She has been active in helping define the information assurance discipline and is currently leading a group that is developing the common body of knowledge in information security education. She has extensive experience in needs assessment, instructional design, development, and evaluation of continuing education in science, math, engineering, and technology related disciplines including traditional face-to-face training and education, as well video, CDROM, and Internet-delivered courseware.

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Dipankar is a Professor of Computer Science at the University of Memphis, Tennessee, USA. His research interests are broadly in the area of scientific computing, tracking real-world problems through interdisciplinary cooperation. He published more than 120 papers in book chapters, journals, and international conferences. One of his current research interests are in Network and Internet security, in particular, applying intelligent agents, genetic algorithms, neural networks, Fuzzy Logic and immune system techniques in the area of computer security. He is the founder of a Network Security Lab for doing research, and training on Security related issues (our lab website: <http://issrl.cs.memphis.edu>), and is the Director of Center for Information Assurance (<http://cfia.memphis.edu>), a “National Center of Academic Excellence in Information Assurance” designated by DHS and NSA.

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Gurpreet is a Professor of IS in the School of Business, Virginia Commonwealth University, Richmond, USA. He holds a Ph.D. from the London School of Economics and Political Science, UK. His research interests include management of information security, ethical and legal implications of information technology. His research has been published in several journals including *Information Systems Research*, *Information & Management*, *Communications of the ACM*, *Computers & Security*, *European Journal of Information Systems*, *Information Systems Journal*, and *International Journal of Information Management* among others. Gurpreet has just finished his sixth book *Principles of Information System Security: text and cases* (John Wiley). He is also the Editor in Chief of the *Journal of Information System Security*, is the North American Regional Editor of the *International Journal of Information Management* and sits on the editorial board of *MISQ Executive*.

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Dr. Erbacher is an Assistant Professor in the Department of Computer Science at Utah State University. He is an Associate Editor for the *Journal of Electronic Imaging*, Chairs the SPIE Conference on Visualization and Data Analysis, is on numerous other program committees related to computer security and visualization and performs extensive reviewing for conferences and journals in these areas. His research interests include Computer Graphics, Information and Scientific Visualization, Computer Security, and Intrusion Detection. Dr. Erbacher has ~40 publications in these areas. In keeping with his research interests in computer security and visualization, Dr. Erbacher spent the summers of 2004 and 2005 at AFRL's Rome Labs developing visualization for intrusion detection techniques for the air force under their summer faculty fellowship program. He received his BS in Computer Science from the University of Lowell in 1991 and his MS and ScD degrees in Computer Science from the University of Massachusetts-Lowell in 1993 and 1998, respectively.

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Efstratios Gavvas is an Assistant Professor at the United States Merchant Marine Academy teaching IT and IT security. In conjunction with a team from Polytechnic University, he recently led an IT security audit for the National Park Service on the Statue of Liberty/Ellis Island through a grant from the Defense Threat Reduction Agency (DTRA). His research interests include: RFID security, anonymity, and hardware obfuscation.

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Dr. James Graham is the Henry Vogt Professor of Computer Science and Engineering at the University of Louisville. He has previously held positions with Rensselaer Polytechnic Institute, Purdue University, and General Motors Corporation, and has served as a consultant for General Electric and GTE Laboratories (now part of Verizon). Dr. Graham earned his doctoral degree at Purdue University. He is a senior member of IEEE, a member of ACM, and a senior member and board member for the Intl. Association for Computers and Applications. His research interests include computer security and intelligent systems.

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Dr. KD Kang joined the Computer Science Department in September 2003. He received a PhD in Computer Science from the University of Virginia in May 2003. His dissertation title was "QoS-Aware Real-Time Data Management". Before his PhD study, he designed and developed real-time software and firmware for embedded avionics computers at the Agency for Defense Development in South Korea. His research interests include sensor networks, real-time data management, and security.

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Jin Ki Kim is Ph.D. candidate of the Department of Management Science and Systems in the School of Management at the University at Buffalo, The State University of New York. He has an M.S. and a B.S. from Hanyang University at Seoul in Korea. Prior to joining doctoral program, he worked at the Korea Information Strategy Development Institute (KISDI) in Korea as a research fellow. He was involved in various research projects on telecom policy and management. His current research interests include emergency management system, telecom policy and management, digital convergence, and diffusion of new telecom services.

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Boris's areas of expertise are UNIX and network security. He is the Vice President of Polytechnic University's chapter of the Association for Computing Machinery and established its Internet6 connectivity. He was on the winning team of Polytechnic University's 2005 Capture the Flag Competition, and was a member of the team that placed second in the U.S for the 2005 UCSB International Capture the Flag competition. Boris will obtain his B.A. in Information Security at Polytechnic University in 2007.

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Lois Lehman has over 15 years experience with campus network issues and monitoring, computer security awareness and training, and development of university computer and network policies. She is currently the Pacific Region InfraGard Representative for 12 chapters and a board member of the Phoenix InfraGard chapter. Lois earned a MBA (1995), a BS in Education (1968) and a GSEC (1992) designation from the SANS Institute.

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Ke Liu is a Ph.D candidate in the Computer Science Department. He graduated with a Masters in Computer Science in 2002 and Bachelors in Computer Science from Fudan University, Shanghai, China. His Masters thesis was "Routing and Scheduling Real-Time Data Dissemination in Sensor Networks" and his current research interests include mobile and wireless communication, computer networking, and more currently, sensor network applications under his advisor, Professor Abu-Ghazaleh.

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Carol is currently the chair of the CS department of Felician College. She graduated with a B.S. degree from Howard University and an M.B.A. from New York University. At Felician College, she teaches courses in computer science and mathematics. Carol was one of two professors to receive training through a National Security Agency grant to help design new CIS tracks in information assurance. She is certified by the National Security Agency as a Computer Security and Information Assurance Specialist through the Center for Education and Research in Information Assurance and Security (CERIAS).

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Nasir Memon is a Professor in the Computer Science Department at Polytechnic University, New York. He is the director of the Information Systems and Internet Security (ISIS) lab at Polytechnic. His research interests include Data Compression, Computer and Network Security, Digital Forensics, and Multimedia Data Security.

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Sushma Mishra is a doctoral student at Virginia Commonwealth University, Richmond, USA. She has a MBA degree from New Delhi, India. Her research interests lies in the areas of information security governance, systems audit, data warehouse security and systems analysis and design.

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Krishnan Narayanan is a first year Masters student at State University of New York at Buffalo. His research interests include vulnerability assessment, wireless security, and penetration testing.

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Dr. Rao has a Ph.D from Purdue University, an M.B.A from Delhi University, and a B.Tech. from the Indian Institute of Technology. His interests are in the areas of management information systems, decision support systems, and expert systems and information assurance. He has chaired sessions at international conferences and presented numerous papers. He has authored or co-authored more than 100 technical papers, of which more than 60 are published in archival journals. His work has received best paper and best paper runner up awards at AMCIS and ICIS. Dr. Rao has received funding for his research from the National Science Foundation, the Department of Defense and the Canadian Embassy and he has received the University's prestigious Teaching Fellowship. He has also received the Fulbright fellowship in 2004. He is a co-editor of a special issue of *The Annals of Operations Research*, the *Communications of ACM*, associate editor of *Decision Support Systems*, *Information Systems Research*, and *IEEE Transactions in Systems, Man and Cybernetics*, and co-Editor- in -Chief of *Information Systems Frontiers*.

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Dr. Raj Sharman is an assistant professor in the School of Management at the State University of New York, Buffalo, New York. He received his Bachelors degree in Engineering and Masters Degree in Management from the Indian Institute of Technology, Bombay, India. He also received a Masters in

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Dr. Peter Stephenson is a writer, consultant, researcher and lecturer in information protection and forensics on large-scale computer networks with 40 years experience in electronic and computer technology, more than 20 of which have been spent in information security. He has spoken extensively on digital forensics and security, and has written or contributed to 14 books and several hundred articles in major national and international trade publications and technical/scientific journals. He has lectured and delivered consulting engagements for the past 18 years in eleven countries plus the United States. He currently holds the positions of Research Professor at the Research Institutes at Norwich University and Associate Director of the Master of Science in Information Assurance, School of Graduate Studies, Norwich University. His PhD is in computing from Oxford Brookes University (Oxford, UK) where his thesis was “Structured Investigation of Digital Incidents in Complex Computing Environments”. Dr Stephenson’s current research interests are cyber attack attribution, knowledge fusion and actionable intelligence, and cyber conflict.

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As Chief Research Officer for the SANS Institute, Johannes is currently responsible for the SANS Internet Storm Center (ISC) and the GIAC Gold program. He founded DShield.org in 2000, which is now the data collection engine behind the ISC. His work with the ISC has been widely recognized, and in 2004, Network World named him one of the 50 most powerful people in the networking industry. Prior to working for SANS, Johannes worked as a lead support engineer for a web development company and as a research physicist. Johannes holds a Ph.D. in Physics from SUNY Albany and is located in Jacksonville FL.

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Shambhu J. Upadhyaya is an Associate Professor of Computer Science and Engineering at the State University of New York at Buffalo where he also directs the Center of Excellence in Information Systems Assurance Research and Education (CEISARE), designated by the National Security Agency. Prior to July 1998, he was a faculty member at the Electrical and Computer Engineering department. His research interests are information assurance, computer security, fault diagnosis, fault tolerant computing, and VLSI Testing. He has authored or coauthored more than 150 articles in refereed journals and conferences in these areas. His current projects involve intrusion detection, insider threat modeling, alert correlation, security in wireless networks, SoC test scheduling, analog circuit diagnosis, and RF testing. His research has been supported by the National Science Foundation, Rome Laboratory, the U.S. Air Force Office of Scientific Research, DARPA, and National Security Agency.

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Lan Wang received her B.S. degree (1997) in Computer Science from Peking University in China and her Ph.D. degree (2004) in Computer Science from University of California, Los Angeles. Dr. Wang is interested in many networking research areas including Internet routing, network measurement methodology, sensor networks, and network security. Her previous research focused on improving the scalability and resilience of network protocols. She studied the stability of BGP routing during worm attacks. She also proposed a dynamic route filtering mechanism to protect the DNS service against route hijacking attacks. Recently, she has been working on a scalable mechanism to achieve global routing table consistency.

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Dr. Yingbing Yu currently is a Visiting Assistant Professor at Department of Computer Science, Western Kentucky University, which he joined in 2004. He received a PhD in Computer Science and Engineering from the University of Louisville in 2005, and a Master of Science degree in Computer Science from Nanjing University of Science and Technology, China in 1999. His research interests are in Computer Security, Intrusion Detection, Soft Computing, and Intelligent Systems.