

## AUTHOR BIOGRAPHIES

### **Fabio R. Auffant II**

*Technical Lieutenant, New York State Police, Computer Crime Unit*

FAuffant@troopers.state.ny.us

Fabio R. Auffant II has been employed by the New York State Police for the past 23 years. He is a Technical Lieutenant in the Computer Crime Unit and Manager of the Computer Forensic Laboratory located in the Forensic Investigation Center in Albany, NY. He has received extensive computer forensics training, holds several certifications in Computer and Digital Forensics; he has conducted forensic examinations and data analysis in hundreds of investigations, as well as testified extensively throughout the State. T/Lt. Auffant is a member of several professional organizations such as, High Technology Crime Investigation Association (HTCIA), International Association of Computer Investigative Specialists (IACIS), Institute of Computer Forensic Professionals (ICFP), and InfraGard. He has provided training and lectured to government and law enforcement personnel in the field of Digital and Computer Forensics, as well as academic institutions such as John Jay College Criminal Justice School, University of Albany Business School and NY Prosecutors Training Institute Summer College. T/Lt. Auffant is an adjunct professor at Columbia Greene Community College in the Computer Security/Forensics degree program and is the chairperson of the NY State Technical Working Group on Digital & Multimedia Evidence.

### **Cristian Balan**

*Program Director, Computer and Digital Forensics Program, Champlain College*

balan@champlain.edu

Professor Cristian Balan is the Program Director of Computer and Digital Forensics Program at Champlain College in Burlington, VT. He has extensive consulting experience working with the law enforcement community on both the system administration and information security. He is an active member of the Burlington Chapter of Infragard, and FBI sponsored organization, and is the Chief of the Vermont Army National Guard Computer Network Defense Team. CPT Balan and his team respond to Cyber incidents on the VT Army National Guard computer networks and the larger US Army network. CPT Balan is a National Guardsman with 25 years of experience with the last 8 years spent in the Information Assurance field. CPT Balan holds DOD Certification in Information Assurance Level III both technical and management. Professor Balan holds the CISSP Certification from the International Information Systems Security Certification Consortium, Inc. [(ISC)<sup>2</sup>] and the Certified Hacking Forensic Investigator designation from the EC-Council. He is the owner and managing consultant of NY Computer Networks, a 5 year old consulting firm specializing in managing cyber risk for a wide range of clientele in both the public and private sector. Professor Balan invites his students to work with him on vulnerability assessments and consulting for government organizations and non-profits that cannot otherwise afford the services of a security expert. Professor Balan came to Champlain College in the summer of 2007 with a great deal of teaching experience at both the undergraduate and graduate level. He held the position on Distance Learning Coordinator at several colleges to include SUNY at Plattsburgh, SUNY at Potsdam and Clinton Community College. Professor Balan believes in teaching Digital Forensics using a great deal of hands –on and lab projects. He actively works with the Digital Forensics Association, a student lead organization which boasts the second largest membership on campus right after the ski club, to create opportunities for students to interact with experts from the field. In 2008 Professor Balan and ten Champlain students attended the NY Cyber Security Conference where they had a chance to meet with Forensic experts, prosecutors and leading scientist in the field.

**Kranti Banala**

*Management Information Systems, University at Buffalo, The State University of New York*

Kranti Banala is a graduate student in the Department of Management Science and systems at the State University of New York, Buffalo. Kranti has worked for several years in the area of infrastructure support at General Electric Co in India. His research interests include Information Assurance and Database Systems. He holds a bachelors degree in Mechanical Engineering. He is an Oracle Certified Associate and Six Sigma Green Belt Certified professional.

**Jon Blue**

*Accounting & MIS, Alfred Lerner College of Business & Economics, University of Delaware*  
bluej@lerner.udel.edu

Jon Blue is currently an Assistant Professor of MIS in the Department of Accounting & MIS in the Alfred Lerner College of Business & Economics at the University of Delaware. He graduated with a Ph.D. in 2006 in Business from Virginia Commonwealth University, a Masters of Business Administration from Santa Clara University and a B.S. in Computer Science and Mathematics from the University of California, Davis. His publications discuss topics such as use of XML/XBRL databases, health management information system strategy and accountability, decision-support systems, and project management.

**Stephen F. Bush**

*Algorithmic Communications Network Theory, GE Global Research Center*  
bushsf@research.ge.com

Stephen F. Bush (M'01- SM'02) was born in Long Beach, CA. He received a B.S. in electrical and computer engineering from Carnegie Mellon University, Pittsburgh, PA in 1985, a MS in computer science from Cleveland State University, Cleveland, OH, in 1987, and a PhD in electrical engineering from the University of Kansas, Lawrence, KS in 1997.

He is a researcher in algorithmic communications network theory at the GE Global Research Center where he explores novel concepts in complexity and algorithmic information theory for applications ranging from network management and wireless ad-hoc networking to RNA sequence analysis and novel concepts in nanotechnology-based networking.

**Jeffrey Carr**

*Principal, GreyLogic*  
jeffreyc@greylogic.us

Jeffrey Carr is a cyber intelligence expert who writes the IntelFusion blog and specializes in the investigation of cyber attacks against governments and infrastructures by State and Non-State hackers. His work has been quoted in The New York Times, The Washington Post, The Guardian, BusinessWeek, WMD Insights, The Industry Standard, and InfoSecurity News. His book, Inside Cyber Warfare, will be published by O'Reilly Media in late 2009.

Mr. Carr is also the Principal Investigator for Project Grey Goose, an Open Source intelligence investigation into the Russian cyber attacks on Georgia, the Indian Eastern Railway Website defacement and the Israeli-Palestine war in 2008 and 2009.

**Gurpreet Dhillon**

*Virginia Commonwealth University*  
gdhillon@vcu.edu

Dr. Gurpreet Dhillon is Professor of Information Systems 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. Gurpreet has published over 100 research manuscripts in some of the leading journals in the field. He has also authored six books including Principles of Information Systems Security: text and cases (John Wiley, 2007). He is also the Editor-in-Chief of the Journal of Information System Security.

**Manish Gupta**

*M&T Bank Corporation, Buffalo, NY*  
mgupta3@buffalo.edu

Manish is currently an executive in M&T Bank Corporation, Buffalo, NY, USA and also adjunct instructor/professor (Fall 2007) at State University of New York at Buffalo. He received his bachelor's degree in mechanical engineering from Institute of Engineering and Technology, Lucknow, India in 1998 and an MBA in Information Systems from State University of New York, Buffalo in 2003. He is also a Ph.D. candidate at State University of New York, Buffalo. With more than a decade of experience in information systems, policies and technologies, he has published 3 books in the area of information security, ethics and assurance including Managing information Assurance in Financial Services (publisher: Idea Group Inc.). He serves in editorial boards of International Journal of Electronic banking and International Journal of Liability and Scientific Enquiry (IJLSE) and has served in program committees of several international conferences. He holds several professional designations including CISSP, CISA, CISM, ISSPCS and PMP. He has also received advanced certificates in information assurance (SUNY, Buffalo), IT Benchmarking (Stanford University) and cyber law (Asian School of Cyber Law).

**Mohammad Iftexhar Husain**

*Computer Science and Engineering, University at Buffalo, The State University of New York*  
imhusain@cse.buffalo.edu

Mohammad Iftexhar Husain is a PhD candidate at the CSE department of University at Buffalo (SUNY-Buffalo). His research interests include but not limited to: Social Network Analysis-based Network Security, Steganography and Economics of Information Security. Mohammad has completed his Masters degree in 2008 from the same department. He has a BS in Computer Science from Yamagata University, Japan. Mohammad has received multiple international scholarships including Rotary Ambassadorial Scholarship and Monbusho Scholarship for academic achievements.

**Arun Lakhotia**

*Center for Advanced Computer Studies*  
*Computer Science, University of Louisiana at Lafayette*  
arun@louisiana.edu

Dr. Arun Lakhota is a Professor of Computer Science at the Center for Advanced Computer Studies in the University of Louisiana at Lafayette. He is also Director of Software Research Lab, which specializes in malware analysis. His research has led to new ways to counter metamorphic viruses, to deobfuscate code, and to detect new viruses by comparing their code with previously known viruses. Dr. Lakhota teaches a course on malware analysis and has given tutorial on the subject in IEEE Working Conference in Reverse Engineering. He is recipient of the 2004 Louisiana Governor's University Technology Leader of the Year award. He received his Ph.D. from Case Western Reserve University in 1990.

**Bin Mai**

*CIS, College of Business, Northwestern State University*  
maib@nsula.edu

Dr. Bin Mai is currently an Assistant Professor of CIS in College of Business, Northwestern State University. He obtained his Ph.D. and MS degrees, both in MIS, from University of Texas at Dallas and Texas Tech University, respectively. His main research interest is IS security and information privacy. He currently lives in Natchitoches, LA.

**Raphael Perl**

*Head, Action Against Terrorism Unit*  
*Organization for Security and Cooperation in Europe (OSCE)*

Raphael Perl is currently the head of the Action Against Terrorism Unit at the Organization for Security and Co-operation in Europe (OSCE). Prior to assuming his current position, Dr. Perl served as the senior analyst for terrorism policy with the Congressional Research Service of the Library of Congress in Washington, D.C. A graduate of Georgetown University's Foreign Service and Law Schools, he is the author of more than 100 congressional and academic publications on the topics of international terrorism, trends in terrorism, combating terrorism and related subjects. Mr. Perl speaks regularly at academic institutions and governmental policy fora. He also has testified before Congress on terrorism policy issues, including the 9/11 Commission Report recommendations and has addressed the U.N. General Assembly on the role of regional organizations in implementation of its global counter-terrorism strategy. Under his leadership the OSCE Action against Terrorism Unit has redoubled its efforts in combating terrorist use of the Internet and has begun to explore options for comprehensively enhancing cyber security. As an Adjunct Professor at George Washington University, he taught a graduate course on global terrorism. As a fellow at the National Academies, he was project director for an interdisciplinary team involved in assessing terrorist risk. He is actively involved with the U.S. National Research Council and the U.S. National Academy of Engineering, as well as the Russian Academy of Sciences in projects to combat terrorism in Russia. He also serves on a "brain trust" advisory group to the United States National Counter Terrorism Center charged with making recommendations on monitoring terrorist trends.

**H. Raghav Rao**

*School of Management, State University of New York at Buffalo*  
mgmtrao@buffalo.edu

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.

**Daniel O. Rice**

*Technology Solutions Experts, Inc.*  
dan@danorice.com

Dr. Daniel Rice is the Senior Scientist at Technology Solutions Experts, Inc. (TSE), the developers of the Infantry Warrior Simulation (IWARS) for the US Army and located in Natick, Massachusetts. Dr. Rice conducts research in the areas of constructive simulation, operations, information systems, and computer security. He has presented his work at numerous international forums including the 11th Annual New York State Cyber Security Conference ('08), the 9th INFORMS Telecommunications Conference ('08), the International Conference on Security and Counter Terrorism Issues at Lomonosov Moscow State University ('07), the IEEE Conference on Information Science and Systems (CISS '07), HICSS '06. He has published in leading peer reviewed publications including Decision Support System (DSS), IEEE Transactions SMC, Online Information Review (OIR), and the International Journal of Information and Computer Security (IJICS). Dr. Rice has earned a Ph.D. in Information Systems and MBA in Finance from the University of Connecticut in 2004 and 1998 respectively and a BS in Naval Architecture and Marine Engineering from the United States Coast Guard Academy in 1990.

**Sriram Sankaran**

*Computer Science and Engineering, University at Buffalo, The State University of New York*  
ss346@cse.buffalo.edu

Sriram Sankaran is currently a Ph.D candidate at the Department of Computer Science and Engineering, University at Buffalo where he completed his Masters degree in 2008. He obtained his B.Tech (Honors) in Computer Science and Engineering from Malaviya National Institute of Technology, Jaipur, INDIA (formerly Regional Engineering College). His research interests include wireless networks and embedded security.

**Richard Savacool**

*Computer Security and Information Assurance, Rochester Institute of Technology*  
ras6937@rit.edu

Richard Savacool has a B.S. in Computer Engineering Technology from the Rochester Institute of Technology, and is currently working towards his MS degree in Computer Security and Information Assurance from Rochester Institute of Technology. During his seventeen years in the computer industry, Rich Savacool has leveraged his experience in LAN/WAN security, networking, and project management to provide incident response; deploy firewalls and intrusion detection; as well as integrate high availability network solutions for large commercial and government clients. In addition, he holds many industry certifications including the CISSP, CCE, CEH, and SANS GPEN.

**Raj Sharman**

*School of Management, State University of New York at Buffalo*  
rsharman@buffalo.edu

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 Industrial Engineering, and a Doctoral degree in Computer Science from Louisiana State University. His research interests are in the areas of Information Assurance, Disaster Management, and Internet Technologies. He is a recipient of several grants, both internal and external grants in the area of Information Security. His publications appear in peer reviewed journals and international conferences in both the Information Systems and the Computer Science disciplines. Dr. Sharman serves as an associate editor for the Journal of Information Systems Security.

**Rajendra K. Raj**

*Computer Science, Rochester Institute of Technology*  
rkrics@rit.edu

Rajendra K. Raj is Professor of computer science at the Rochester Institute of Technology. His current interests include data management; secure systems, and reliable distributed systems. Dr. Raj teaches a wide variety of courses from the undergraduate to doctoral levels in core areas of computing and in his areas of interest. Prior to joining RIT, Dr. Raj was a Vice President in information technology at Morgan Stanley & Co, New York, where he helped to manage and develop leading edge global distributed database infrastructures for a variety of financial applications. Dr. Raj previously taught at SUNY Oswego. He received his Ph.D. from the University of Washington, Seattle, where he investigated software composition and reuse in object-oriented programming languages.

**Anshuman Singh**

*Center for Advanced Computer Studies, University of Louisiana at Lafayette*  
axs6222@cacs.louisiana.edu

Anshuman Singh is a PhD student at Center for Advanced Computer Studies, University of Louisiana at Lafayette. He is studying applications of game theory and abstract interpretation to program obfuscation. He received his MS in Computer Science from University of Louisiana at Lafayette. His research interests include theory of computer viruses, abstract interpretation, program analysis and theory of computation.

**Sean Smith**

*Technical Resource Attorney, New York Prosecutors Training Institute*  
Sean.Smith@nypti.org

Since 1997 Mr. Smith has been an attorney with the New York Prosecutors Training Institute in Albany, New York. In this capacity, Mr. Smith assists prosecutors with issues arising in felony cases, and assists prosecutors across the country by providing them with valuable information on expert witnesses. In addition, as the Technical Resource Attorney Mr. Smith has provided technical trial assistance in numerous high profile cases by both developing and presenting in-court multi-media presentations. Mr.

Smith regularly consults with prosecutors from across New York on using technology to help present cases to juries.

**Michael Sobolewski**

*Director, SORCER Laboratory*  
*Computer Science, Texas Tech University*  
sobol@cs.ttu.edu

Dr. M. Sobolewski (<http://sobol.cs.ttu.edu>) joined, as a Professor, the Computer Science Department, Texas Tech University in September 2002. He is the Principal Investigator and Director of the SORCER Laboratory focused on research in network, security, service, exertion- oriented programming, and metacomputing. While at GE Global Research Center he was the chief architect of the Federated Intelligent Product EnviRonment (FIPER) project, and developed other seventeen successful distributed systems for various GE business components. Prior to coming to U.S., during 18-year career with the Polish Academy of Sciences, Warsaw, Poland, he was the head of the Picture Recognition and Processing Department, the head of the Expert Systems Laboratory, and was doing research in the area of knowledge representation, knowledge-based systems, pattern recognition, image processing, neural networks, and graphical interfaces. He has served as visiting professor, lecturer and consultant in Sweden, Finland, Italy, Switzerland, Germany, Hungary, Czechoslovakia, Poland, Russia, and USA. He has over thirty years of experience in the development of large scale computing systems.

**Ramalingam Sridhar**

*Computer Science and Engineering, University at Buffalo, The State University of New York*  
rsridhar@cse.buffalo.edu

Ramalingam Sridhar received a B.E. (Honors) degree in Electrical and Electronics Engineering from Guindy Engineering College, University of Madras in 1980, MS and PhD in Electrical and Computer Engineering from Washington State University in 1983 and 1987 respectively. Since 1987 he has been with the University at Buffalo, The State University of New York where he is an Associate Professor in the Department of Computer Science and Engineering.

His research interests are in Wireless and sensor network security, pervasive and RFID systems, secure architectures, Embedded technologies, deep submicron VLSI systems, Clocking and Synchronization, and memory circuits & architecture. He was an IEEE CAS Distinguished Lecturer. He has served as Program Chair and General Chair of ASIC/SoC Conference and has served in the editorial board of many journals and technical committee of numerous conferences in wireless systems and VLSI.

**Satish Vellanki**

*SORCER Research Group*  
*Computer Science, Texas Tech University*  
satish.vellanki@ttu.edu

Satish Vellanki is a graduate student at Texas Tech University, Lubbock, TX working on his thesis "Role-based access control in federated environments". He is with the SORCER Research Group since Fall 2006 and is focused on security in federated metacomputing environments. He received his Bachelor of Technology from Jawaharlal Nehru Technological University, Hyderabad, India where he majored in Computer Science. He interned at Microsoft and Qualcomm previously and is adept at object-oriented programming with Java, C++, and is a Linux expert.

**Andrew Walenstein**

*Center for Advanced Computer Studies*

*Computer Science, University of Louisiana at Lafayette*

walenste@ieee.org

Dr. Andrew Walenstein is an Assistant Professor at the Computer Science Department at the University of Louisiana at Lafayette. He is currently studying methods for malware analysis, and brings in experience from the area of reverse engineering and human-computer interaction. He received his Ph.D. from Simon Fraser University in 2002.