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Software and Information Systems

- Computer Science
- Faculty Listing

In the Spotlight

(Contratulations 2007 Award Winners) Mrs. Diane Cassidy-Excellence in Undergraduate Teaching Award, Dr. Min Shin-Excellence in Graduate Teaching Award, Ms. Eve Powell and Dr. Tiffany Barnes-Essam El-Kwae Student-Faculty Research Award, Mr. Robin Gandhi and Mr. Kashif Sharif-Outstanding Teaching Assistant Awards, Ms. Nancy Clarke-Outstanding Staff Award.

In the Spotlight

The Carolina Cyber Defenders from the Software and Informaiton Systems Department finished second in the Souteast Collegiate Cyber Defense Competition hosted by UNCC March 10-11. The Carolina Cyber Defenders are the defending national champions.

In the Spotlight

Charlotte Mayor Pat McCrory has proclaimed October "UNC Charlotte Cyber Security Awareness Month." The declaration comes as UNC Charlotte will again play host to the 2006 Fall Computer Security Symposium on October 25th.



Events

Event Details

Event Title: Fall 2007 Cyber Security Symposium
Registration is closed -- Please register tomorrow at "Same Day Registration"

Date: Oct 10, 2007

Time: 7:45AM - 6:30PM

Location: McKnight Auditorium
 Cone University Center
 UNC Charlotte
 9201 University City Blvd.
 Charlotte, NC 28223

Directions and maps: <http://facilities.uncc.edu/maps/>.
 Choose "Search Engine Maps"

In the Spotlight



Dr. Mirsad Hadzikadic, Dean of the College of Computing and Informatics, was awarded the Dr. Richard Neel Award for Career Achievement at the 2005 Blue Diamond Awards sponsored by Information Technology Charlotte

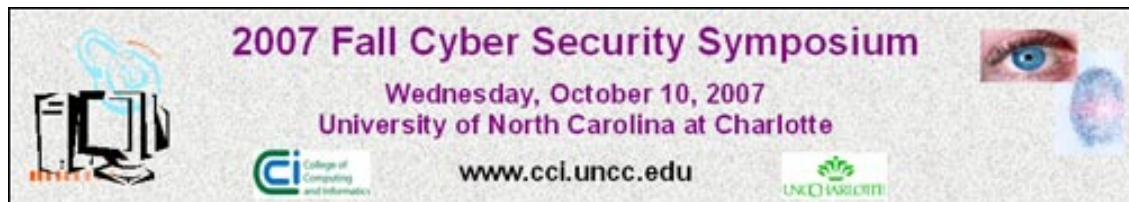
[more information](#)

In the Spotlight



Effective on November 1, 2003 - Dr. Richard Lejk accepted the position of Associate Dean for the College of Computing and Informatics. Congratulations to Dr Lejk on his new position.

Description:



The rapid deployment of advanced communication and information technology in our society has enabled increased interdependencies among diverse business groups, government agencies, and other entities.

The spread of such technologies, and the consequential reliance on it, require the commitment of all participants to know, understand and take action to minimize the threats that compromise the facility, the integrity of data in the network, and the privacy rights of all persons.

This symposium will focus on the issues and solutions as seen by the most prominent researchers and practitioners in the field of information security.

Intended Audience:

Business continuity professionals, IT managers, software developers, systems administrators, information security professionals, information security consultants, and policy makers should take advantage of this exceptional opportunity.

Contacts

Questions? Contact: Nancy Clarke, neclarke@uncc.edu

Media contact: Clark Curtis, clarkcurtis@uncc.edu

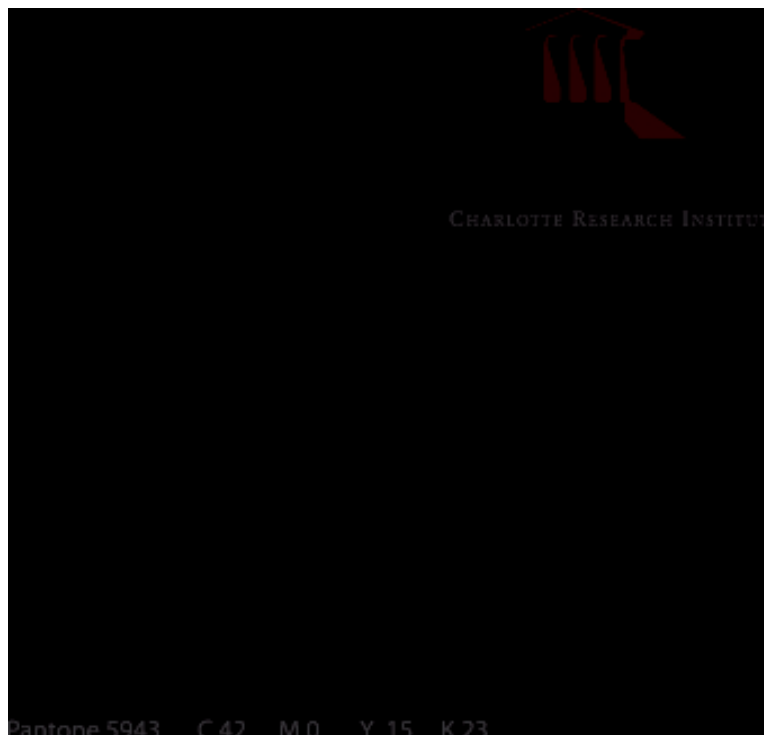
Sponsorships: Olin Broadway, ohbroadw@uncc.edu

Sponsorship invoice questions: Lathan Phillips, lphillip@uncc.edu

Sponsorships

Please contact Olin Broadway for more information (ohbroadw@uncc.edu)

Support is designated and will be used for this project. Remaining proceeds from the event may be directed, at the discretion of the Dean, to other College of Computing and Informatics programs, including, but not necessarily, hospitality and the purchase of alcoholic beverages.



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Speakers

8:30 - 9:30 a.m. - Session 1 - McKnight Auditorium

Dan Geer

"A Quant Looks at the Future"

Principal, Geer Risk Services, Chief Scientist, Verdasys. He authored the white paper, *"The Shrinking Perimeter – Making the Case for Data Level Risk Management"* and has also co-written several books and reports, including, *"Cyber Insecurity."*

9:30 - 10:30 a.m. - Session 2 - McKnight Auditorium

Tom Gallagher

"Hunting Security Bugs in Your Software"

Microsoft, coauthor of *Hunting Security Bugs*; Tom is currently the lead of the Office Security Test team. This team is primarily focused on penetration testing, writing security testing tools, and educating program managers, developers, and testers about security issues.

11:00 - 11:40 a.m. - Session 3a - McKnight Auditorium

Mike Hubbard

"Information Security Hits the Corporate Boardroom"

Leads Privacy and Data Protection Team, Womble Carlyle Sandridge & Rice, PLLC. Mike co-authored the American Medical Association's Field Guide to HIPAA Implementation in 2002 and the AMA's HIPAA Policies and Procedures Desk Reference in 2003. He also authored the chapter in the 2006 West's Health Law Handbook, *"De-identified Health Information: Legal and Practical Approaches to HIPAA Compliance."* Mike's article, *"IPv6: Data Security and Privacy Concerns in the New Internet,"* is published in the September 2007 issue of the Federal Lawyer.

11:00 - 11:40 a.m. - Session 3b - Cone 210

Karl Wirth

Director, Security Business Redhat, He is responsible for security features in Red Hat Enterprise Linux and Red Hat's layered security products. He also served as Director of Product Management at Sentillion, a healthcare-focused identity and access management company; and was responsible for the RSA SecurID authentication business as well as other authentication solutions at RSA Security (now EMC).

11:00 - 11:40 a.m. - Session 3c - Cone 112

Robert Grapes

"Managing User Identities is Only a Third of the Problem"

In this session, Robert Grapes, Enterprise Solution Specialist at Cloakware, describes the threats facing the elevated privilege accounts used by your human administrators and unattended applications, and the various security techniques required to mitigate

the risks associated with those threats. While privileged password management sounds like a simple problem to solve, it requires complex security techniques to solve completely.

Robert has more than 15 years experience developing and managing enterprise security solutions for Entrust, ZixCorp and now Cloakware, as well as founding a publicly-traded security software publisher. Rob has spoken several times at the RSA Security Conference, Entrust Summits, CSI Conference, and other industry conferences.

12:30 - 1:30 p.m. - Session 4 - SAC (Student Activity Center)

Alan Paller

"Can Secure Code Skills be Measured?"

Vice President, Founder, and Director of Research for all research projects for the SANS Institute. Paller was also selected as one of the 100 "Most Influential People in Information Technology" by eWeek, CIO Decisions, and Baseline magazines. Paller established the Annual SANS-FBI Top 20 Internet Security Threats (1999) and was named to the National Infrastructure Assurance Council by the President of the United States (2001).

1:30 - 2:15 p.m. - Session 5 - SAC (Student Activity Center)

Dr. Tom Holt

"The Transnational Nature of Malware"

Professor, Criminal Justice Department, UNC Charlotte specializes in computer crime, cybercrime, and technology. His research focuses on computer hacking, malware, and the role that technology and the Internet play in facilitating all manner of crime and deviance. Holt works with computer and information systems scientists, law enforcement personnel, businesses, and technologists to understand and link the technological and social elements of computer crime.

3:00 - 3:40 p.m. - Session 6a - McKnight Auditorium

Dr. Heather Richter Lipford

"Considering the Users in Security and Privacy"

Assistant Professor, Software and Information Systems Department, UNC Charlotte
Dr. Heather Richter Lipford is an Assistant Professor at the University of North Carolina at Charlotte. She completed her Ph.D. in May 2005 from the College of Computing at the Georgia Institute of Technology. Her research interests include Human-Computer Interaction, Ubiquitous Computing, and Privacy. She is co-founder of the HCI Lab at UNC Charlotte and is a member of the Charlotte Visualization Center.

3:00 - 3:40 p.m. - Session 6b - Cone 210

Gene Keeling

"Lawful Intercept of IP Communications"

Cisco Solution Program Manager in the Government Solutions Unit. Mr. Keeling

coordinates development efforts, manages partner relationships for Lawful Intercept and oversees certification of Cisco's Enterprise IP Telephony System for use by the DoD. He has also been involved in the development and deployment of local access VoIP solutions for CLECs, and was a program manager with Lockheed Martin's Space Systems Group.

3:00 - 3:40 p.m. - Session 6c - Cone 111
Dr. Brent Hoon Kang and Chris Nunnery
"Understanding Peer-to-Peer Botnet"

Brent Hoon Kang received his Ph.D. in Computer Science from the University of California at Berkeley. Since Fall 2004, he has been an Assistant Professor at the University of North Carolina (UNC) at Charlotte and has been leading the Infrastructure Systems Research (ISR) Lab. As part of his research efforts, he recently worked on IT infrastructure design and administration issues related to protecting infrastructure against security threats such as the bots/malwares and the email spam/phishing problems. (Latest updates can be found in <http://isr.uncc.edu/~bbkang>). As part of his efforts on Information Assurance (IA) education programs, he has been developing the hands-on cyber exercise components that foster students' creativeness and problem-solving skills for IT systems design and defense.

3:40 - 4:30 p.m. - Session 7a - McKnight Auditorium
Linda Jones
"The Evolving Threat Landscape"

Linda Jones is the business line executive for Network Protection for IBM Internet Security Systems. With over 15 years of product management and marketing experience, Jones is responsible for the Proventia Network Protection line of products for the Americas. After consulting in the then-fledging informaiton security industry, Jones joined IBM Internet Security Systems where she has worked for seven years.

Prior to joining IBM ISS, Jones held sales and product management positons at Westvaco Corporation. There she successfully led efforts to revamp a major product line to combat competitive pressures. Jones hold a master's of business administration in management degree from Loyola College in Maryland.

3:40 - 4:30 p.m. - Session 7b - Cone 210
Ann Garrett, CISO, and Tim Brown
"Threat Management and Incident Response - NCISAC"

Ann Garrett is the Chief Information Security Officer for the State of North Carolina. She earned her undergraduate degree at the University of Connecticut and her MBA from Meredith College. Ann also has a Certificate of Computer Programming from North Carolina State University and is a Certified Informaiton Security Manager.

Tim Brown is the Team Leader for the NCISAC and has been an Observer in the Cyber Storm Exercise.

Ann operates the NC Information Sharing and Analysis Center (NCISAC) which sends out alerts and warnings and maintain our cyber incident response plan for state government. Ann and her organization have been the winners of many national and state awards including the 2004 ISE/CSI Information Security Executive of the Year National Award.

4:30 - 5:15 p.m. - Session 8a - McKnight Auditorium

C. H. Hariharan and Anuj Kymar

"It's a Fact -- Financial Service Institutions are Under Attack ..."

C.H. Hariharan, Senior Director/Enterprise Architect, Cisco Advisory Services. Prior to joining Cisco, CH held senior leadership positions at Novell (vice president and chief architect), Cambridge Technology Partners (CTO), CSC, and Bell Labs.

Anuj Kumar, Technical Leader/Enterprise Architect, Cisco Advisory Services. Anuj has 18 years of industry experience, including PricewaterhouseCoopers, and IBM in their business consulting services division focusing on customers in financial services.

The seemingly endless barrage of threats to the sanctity of corporate databanks comes daily from new and varied sources. The chief security officer or chief information officer are most often reacting to a multitude of operational issues that make tackling the bigger security picture feel out of reach. Yet, with the continually evolving dynamics of modern financial transactions, an enterprise-wide security strategy is precisely what is needed to move beyond the trap of reaction and toward a safer future. Consider this a wake-up call. This presentation will address challenges and architectural solutions in several areas -- enterprise security model and architecture, business process, regulatory requirements and compliance, "evergreen" methodology, risk controls and maturity models.

4:30 - 5:15 p.m. - Session 8b - Cone 210

Carter Heath

"A View from the Trenches"

Chief Information Security Officer, UNC Charlotte

Carter has nearly ten years of security industry experience working as a consultant, systems designer and Information Security Officer. Carter and his team have the responsibility for securing the infrastructure and information assets of the University.

4:30 - 5:15 p.m. - Session 8c - Cone 111

John Himebook

"Digital Signature and Security Around the Signature Arena"

CTO of Signix, now SunGard with 16 years of technical and management experience in technology products, services and management consulting. He is the driving force behind the product and technical focus of the firm.

Event Registration

To register for this event, complete the form below and select "Continue".

Event Details:	Enter Quantity:	Price:
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