

The 3rd International Workshop on Information Assurance (WIA 2007)

In conjunction with the 26th IEEE International Performance Computing and Communications Conference (IPCCC)

<http://www.ipccc.org/>,

New Orleans, Louisiana, USA

Final Program Friday, April 13, 2007

8:00AM: Registration Starts

8:30 – 10:00 AM Session 1: E-Commerce Security & Disaster Tolerance Computing
Session Chair: James Joshi

Components and Analysis of Disaster Tolerant Computing

Chad Lawler (Data Return, LLC, US)

Michael Harper (SPAWAR Systems Center Charleston, US)

Mitch Thornton (Southern Methodist University, US)

A Method of Fraud & Intrusion Detection for E-payment Systems in Mobile e-Commerce

Pallapa Venkataram (Indian Institute of Science, IN)

Sathish Babu (Indian Institute of Science, IN)

Naveen M K (Indian Institute of Science, IN)

Samyama Gunjal (Indian Institute of Science, IN)

Threats Analysis of the Session Initiation Protocol Regarding Spam

Stelios Dritsas (Athens University of Economics and Business, GR)

John Mallios (Dept. of Informatics, Athens University of Economics and Business, Greece, GR)

Marianthi Theoharidou (Dept. of Informatics, Athens University of Economics and Business, Greece, GR)

Giannis Marias (Athens University Economics and Business, GR)

Dimitris Gritzalis (Dept. of Informatics, Athens University of Economics and Business, Greece, GR)

10:00 - 10:30 AM Coffee Break

10:30 – 12:00 PM: Session 2: Attack Detection and Prevention Mechanisms
Session Chair: Kejie Lu

An Efficient Technique for Preventing Mimicry and Impossible Paths Execution Attacks

Danilo Bruschi (Universita` degli studi di Milano, IT)

Lorenzo Cavallaro (Universita` degli Studi di Milano, IT; currently visiting SUNY (State University of New York) at Stony Brook)

Andrea Lanzi (University of Milan, IT)

Profiling Database Applications to Detect SQL Injection Attacks

Elisa Bertino (Purdue University, US)

Ashish Kamra (Purdue University, US)

James P. Early (Purdue University, US)

Diversified Process Replicaes for Defeating Memory Error Exploits

Danilo Bruschi (Universita` degli studi di Milano, IT)

Lorenzo Cavallaro (Universita` degli Studi di Milano, IT; currently visiting SUNY (State University of New York) at Stony Brook)

Andrea Lanzi (University of Milan, IT)

12:00 - 1:30 PM Lunch Break

1:30 – 3:00 PM: Session 3: Secure Protocols & Security/Survivability in Sensor/Wireless Networks
Session Chair: Jason Crampton

Towards Survivable and Secure Wireless Sensor Networks

Yi Qian (University of Puerto Rico at Mayaguez, PR)
Kejie Lu (University of Puerto Rico at Mayaguez, PR)
David Tipper (University of Pittsburgh, US)

GKM: A Group Dynamics Aware Key Management Scheme for Multicast Communications in ASNs

Hui Ling (University of pittsburgh, US);
Taieb Znati (University of Pittsburgh, US)

Towards a Collusion-Resistant Algebraic Multi-Party Protocol for Privacy-Preserving Association Rule Mining in Vertically Partitioned Data

Dragos Trinca (University of Connecticut, US)
Sanguthevar Rajasekaran (University of Connecticut, US)

3:00 - 3:30 PM Coffee Break

3:30 – 5:00 PM: Session 4: Access Control Models and Mechanisms
Session Chair:

Applications of the Oriented Permission Role-Based Access Control Model

Liang Chen (Royal Holloway, University of London, UK)
Jason Crampton (Royal Holloway University of London, UK)

Classification Model for Access Control Constraints

Mathias Kohler (SAP AG, DE);
Christian Liesegang (SAP AG, DE);
Andreas Schaad (SAP AG, DE)

CT-RBAC: A Temporal RBAC Model with Conditional Periodic Time

Kai Ouyang (School of Computer Science, Wuhan Univ. of Sci. & Tech, China)
James B. D. Joshi (School of Information Sciences, University of Pittsburgh, US)