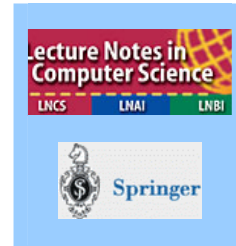




*1st International Workshop on
Critical Information Infrastructures
Security
(CRITIS'06)*

- in conjunction with ISC'06 -



**August 30 - September 2, 2006, Samos Island, Greece
Program**

Thursday, August 31st

8:15 - Registration

10:10 Welcome

10:15-11:05 SESSION 1

CRUTIAL: The Blueprint of a Reference Critical Information Infrastructure Architecture

Paulo Veríssimo, Nuno Ferreira Neves, and Miguel Correia
Faculty of Sciences, University of Lisboa, Portugal

Experiment Based Validation of CIIP

Per Mellstrand, Rune Gustavsson
Blekinge Institute of Technology, Sweden

11:05-11:30 Coffee-Break

11:30-13:10 SESSION 2

Security Requirements Model for Grid Data Management Systems *

Syed Naqvi¹, Philippe Massonet¹, Alvaro Arenas²

¹Centre of Excellence in Information and Communication Technologies (CETIC), Belgium

²CCLRC Rutherford Appleton Laboratory, United Kingdom

Assessing the Risk of an Information Infrastructure through Security Dependencies

F.Baiardi⁺, S.Suin⁺, C.Telmon⁺, M.Pioli^{}*

⁽⁺⁾Dipartimento di Informatica, *Universita di Pisa*, Italy

^(*)Enel Distribuzione, ENEL, Italy

Modelling Risk and Identifying Countermeasure in Organizations

Yudistira Asnar and Paolo Giorgini

Department of Information and Communication Technology, University of Trento, Italy

Modelling and Analysing Network Security Policies in a given Vulnerability Setting

Roland Rieke

Fraunhofer Institute for Secure Information Technology SIT, Germany

13:10-14:45 Lunch

14:45-15:35 SESSION 3

A Framework for Conceptualizing Social Engineering Attacks

Jose J. Gonzalez¹, Jose M. Sarriegi², Alazne Gurrutxaga²

¹ Agder University College, Norway

² Tecnun (University of Navarra), Spain

An Overview of R&D activities in Europe on Critical Information Infrastructure Protection (CIIP)

Sandro Bologna¹, Giovanni Di Costanzo¹, Eric Luijff², and Roberto Setola³

¹ ENEA, Italy

² TNO, Netherlands

³ Università CAMPUS Bio-Medico, Italy

15:35-16:00 Coffee-Break

16:00-17:40 SESSION 4

Intelligent Network-Based Early Warning Systems

Karsten Bsufka, Olaf Kroll-Peters, and Sahin Albayrak

Technische Universität Berlin, DAI-Labor, Germany

An Early Warning System for Home Users and SMEs: The Ropes to Skip

Urs E. Gattiker

CyTRAP Labs, Switzerland

19:00-22:00 Gala Dinner

Friday, September 1st

09:15-10:15 INVITED TALK

Security And Resilience In Information Society: The European Approach

Andrea Servida

Deputy Head of Unit, European Commission

Information Society and Media Directorate General

10:15-11:05 SESSION 5

Protection of Components based on a Smart-Card Enhanced Security Module

Joaquín García-Alfaro¹, Sergio Castillo¹, Jordi Castellà-Roca², Guillermo Navarro¹, and Joan Borrell¹

¹ DEIC-UAB, Spain

² DEiM-ETSE-URV, Spain

Revisiting Colored Networks and Privacy Preserving Censorship

Yvo Desmedt^{1,3}, Yongge Wang², and Mike Burmester³

¹ University College London, UK

² UNC Charlotte, USA

³ Florida State University, USA

11:05-11:30 Coffee-Break

11:30-13:10 SESSION 6

PROSEARCH: A Protocol to Simplify Path Discovery in Critical Scenarios

Cristina Satizábal², Rafael Páez¹, Jordi Forné¹

¹ Telematics Engineering Department, Technical University of Catalonia, Spain

² Engineering and Architecture Department. Pamplona University, Colombia

Applying Key Infrastructures for Sensor Networks in CIP/CIIP Scenarios

Cristina Alcaraz and Rodrigo Roman

Computer Science Department, University of Malaga, Spain

Trust Establishment in Ad Hoc and Sensor Networks

Efthimia Aivaloglou, Stefanos Gritzalis, and Charalabos Skianis

Department of Information and Communication Systems Engineering, University of the Aegean, Greece

Enforcing Trust in Pervasive Computing with Trusted Computing Technology

Shiqun Li^{1,2}, Shane Balfe³, Jianying Zhou², and Kefei Chen¹

¹ Department of Computer Science and Engineering, Shanghai Jiaotong University Shanghai, China

² Institute for Infocomm Research, Singapore

³ Royal Holloway, University of London, United Kingdom

13:10-14:45 Lunch

14:45-15:35 SESSION 7

Proposals on Assessment Environments for Anomaly-based Network Intrusion Detection Systems

M. Bermúdez-Edo, R. Salazar-Hernández, J. Díaz-Verdejo, P. García-Teodoro

Department. of Signal Theory, Telematics and Communications, University of Granada, Spain

High-speed Intrusion Detection in Support of Critical Infrastructure Protection

Salvatore D'Antonio¹, Francesco Oliviero², and Roberto Setola³

¹ Lab. ITeM - Consorzio Interuniversitario Nazionale per l'Informatica – CINI, Italy

² Dipartimento di Informatica e Sistemistica - University of Napoli Federico II, Italy

³ Complex Systems & Security Lab - University CAMPUS Bio-Medico of Roma, Italy

15:35-16:00 Coffee-Break

16:00-17:40 SESSION 8

Rational Choice of Security Measures via Multi-Parameter Attack Trees

Ahto Buldas^{1,2,3}, Peeter Laud^{1,2}, Jaan Priisalu⁴, Märt Saarepera⁵, and Jan Willemson^{1,2}

¹ Cybernetica, Estonia

² University of Tartu, Estonia

³ Tallinn University of Technology, Estonia

⁴ Hansapank, Estonia

⁵ Independent researcher, Estonia

Multidomain Virtual Security Negotiation over the Session Initiation Protocol (SIP)

Daniel J. Martínez-Manzano, Gabriel López, Antonio F. Gómez-Skarmeta

Department of Information and Communications Engineering, University of Murcia, Spain

Vulnerabilities and Possible Attacks against the GPRS Backbone Network

Christos Xenakis, Lazaros Merakos

Department of Informatics & Telecommunications, University of Athens, Greece

A Framework for Secure and Verifiable Logging in Public Communication Networks

Vassilios Stathopoulos¹, Panayiotis Kotzanikolaou¹ and Emmanouil Magkos²

¹ Authority for the Assurance of Communications Security and Privacy (ADAE), Greece

² Ionian University, Greece

17:40 Closing