



CRITIS 2010

5TH INTERNATIONAL CONFERENCE ON CRITICAL INFORMATION INFRASTRUCTURES SECURITY

SEPTEMBER 23-24, 2010. ATHENS, GREECE

CRITIS 2010 Program

Thursday, 23 September 2010

09:15 – 09:30 Opening – Welcome

09:30 – 11:00 Session 1: Risk Analysis & Estimation

Chair: Dr. Nikos Passas

Inter-dependency assessment in the ICT-PS network: the MIA project results

Emiliano Casalicchio, Sandro Bologna, Luigi Brasca, Stefano Buschi, Emanuele Ciapessoni, Gregorio D'Agostino, Vincenzo Fioriti and Federico Morabito

A Quantitative Risk Analysis Approach for Deliberate Threats

Nikos Vavoulas and Christos Xenakis

The EU FP6 Integrated Project IRRIS on Dependent Critical Infrastructures

Ruediger Klein

11:00 – 11:30 Coffee Break

11:30 – 12:30 Session 2: Power Systems

Chair: Dr. Dionysia Triantafyllopoulou

Towards Understanding Recurrence of Large Scale Power Outages

Finn Olav Sveen, Josune Hernantes, Jose Julio Gonzalez and Eliot Rich

Early Warning System for Cascading Effect Control in Energy Control Systems

Cristina Alcaraz, Angel Balastegui and Javier Lopez

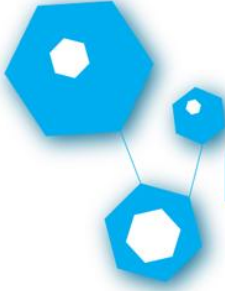
12:30 – 13:30 Keynote Talk (EuroPKI 2010)

Chair: Dieter Gollmann

Data privacy in outsourcing scenarios

Pierangela Samarati, Department of Information Technologies, University of Milan,

13:30 – 14:30 Lunch



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14:30 – 16:00 Session 3: ENISA special session & panel discussion

Chair: Dr. Christos Xenakis

Overview on the activities of ENISA in the areas of technologies with the potential to enhance resilience

Demosthenes Ikonou, ENISA

Cyberwar ante portas! Identifying the role of the academic community in national cyber defense exercises

Dimitris Gritzalis, Department of Informatics, Athens University of Economics and business

Resilience metrics

Dr. Piotr Cholda, AGH University of Science and Technology

16:00 – 16:15 Coffee Break

16:15 – 16:30 Welcome Address by Prof. G. Vassilacopoulos, Vice Rector of the University of Piraeus and Head of the Dept. of Digital Systems

16:30 – 17:30 Keynote Talk (STM 2010)

Chair: Javier Lopez

Trust and Security- a European policy

Gustav Kalbe, Deputy Head of Unit - Trust & Security, European Commission

Gala Dinner: Thursday 23rd of September 08.30 pm



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Friday, 24 September 2010

09:00 – 10:00 Keynote Talk (CRITIS 2010)

Chair: Prof. Socrates Katsikas

Enhancing Europe's Critical Information Infrastructures - ENISA's Resilience and CIIP Program
Udo Helmbrecht, ENISA Executive Director

10:00 – 11:00 Session 4: Early Warning Systems

Chair: Dr. Stephen Wolthusen

Emergency Response with Proactive Crowd-Sourcing
Anu Vaidyanathan

Anonymity and Privacy in Distributed Early Warning Systems
Christopher Roblee, Martin Brunner, Hans Hofinger, Sascha Todt and Peter Schoo

11:00 – 11:30 Coffee Break

11:30 – 12:30 Session 5: ICT Security

Chair: Dr. Rüdiger Klein

A Formal Adversary Capability Model for SCADA Environments
Richard McEvoy and Stephen Wolthusen

A Cloud Provider-agnostic Secure Storage Protocol
Nikos Virvilis, Stelios Dritsas and Dimitris Gritzalis

12:30 – 13:30 Keynote Talk (STM 2010)

Chair: Jorge Cuellar

The mess we are in - the past, present, and future of Web Security
Martin Johns, SAP Research

13:30 – 14:30 Lunch



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14:30 – 16:00 Session 6: ICT Security

Chair: Dr. Adedayo Adetoye

State-based Firewall for Industrial protocols with Critical-State Prediction Monitor

Igor Nai Fovino, Andrea Carcano, Alessio Coletta, Michele Guglielmi, Marcelo Masera and Alberto Trombetta

A Formally Verified Mechanism for Countering SPIT

Yannis Sounionis, Stylianos Basagiannis, Panagiotis Katsaros and Dimitris Gritzalis

Trust and Reputation for Information Exchange in Critical Infrastructures

Filipe Caldeira, Edmundo Monteiro and Paulo Simoes

16:00 – 16:30 Coffee Break

16:30 – 17:00 Session 7: Poster session

Chair: Dr. Christos Xenakis

A Modelling Approach for Interdependency in Digital Systems-of-Systems Security

Sadie Creese, Michael Goldsmith, Paul Hopkins and Adedayo Adetoye

Risk ontology and Service Risk Descriptor shared among interdependent CI

Mathieu Aubigny, Carlo Harpes and Marco Castrucci