



# CRITIS 2011

6TH INTERNATIONAL CONFERENCE ON CRITICAL  
INFORMATION INFRASTRUCTURES SECURITY

SEPTEMBER 8-9, 2011. LUCERNE, SWITZERLAND

<b>Thursday, September 8, 2011</b>	
<b>8:15 – 9:00</b>	<b>Registration, Welcome Coffee and Croissant</b>
<b>9:00 – 9:15</b>	<b>Opening Session</b>
<b>9:15 – 10:15</b>	<b>Keynote 1</b> <b>Invited Speaker: Evangelos OUZOUNIS</b> <b>ENISA</b>
<b>10:20 – 11:00</b>	<b>Session 1: Cyber Security Strategies and Dependency Analysis</b>
	<b>Ten National Cyber Security Strategies: a Comparison</b> <i>Eric Luijff, Maartje Spoelstra, Kim Besseling, and Patrick De Graaf</i> <b>Analysis of Dependencies in Critical Infrastructures</b> <i>Adedayo Adetoye, Sadie Creese, and Michael Goldsmith</i>
<b>11:00 – 11:15</b>	<b>Refreshments</b>
<b>11:15 – 12:15</b>	<b>Session 2: Risk Evaluation and Emergency Management</b>
	<b>Assurance and Trust Indicators to Evaluate Accuracy of On-Line Risk in Critical Infrastructures</b> <i>Thomas Schaberreiter, Filipe Caldeira, Jocelyn Aubert, Edmundo Monteiro, Djamel Khadraoui, and Paulo Simoes</i> <b>An Innovative Approach to Emergency Management in Large Infrastructures</b> <i>Rüdiger Klein</i> <b>Dynamic Evacuation Guidance as Safety-Critical Application in Building Automation</b> <i>Armin Veichtlbauer and Thomas Pfeiffenberger</i>
<b>12:30 – 13:30</b>	<b>Lunch</b>
<b>13:30 – 14:00</b>	<i>Distinguished Speaker: Sujeet Shenoi, University of Tulsa, OK, USA</i>
<b>14:00 – 15:00</b>	<b>Session 3: Cyber Threats and Cyber Defences</b>
	<b>Defeating Node Based Attacks on SCADA Systems Using Probabilistic Packet Observation</b> <i>Thomas Richard McEvoy and Stephen D. Wolthusen</i> <b>Sub-Optimal Topological Protection Strategy from Advanced Malware</b> <i>Andrea Arbore and Vincenzo Fioriti</i> <b>The Insider Threat in Cloud Computing</b> <i>Miltiadis Kandias, Nikos Virvilis and Dimitris Gritzalis</i>
<b>15:00 – 15:20</b>	<b>Refreshments</b>
<b>15:20 – 17:30</b>	<b>Session 4: Posters and Networking</b>
	<b>Fuzzy Input-Output Inoperability Model</b> <i>Gabriele Oliva, Stefano Panzieri and Roberto Setola</i> <b>On the ICT Interdependencies: The European Project MOITA</b> <i>Gregorio D'Agostino, Emiliano Casalicchio, Chiara Orsini and Enrico Gregori</i> <b>Dependencies Discovery and Analysis in Distributed Systems</b> <i>Emiliano Casalicchio</i> <b>Protecting Critical Infrastructures from Stealth Attacks</b> <i>Simon Pietro Romano, Stefano Avallone, Claudio Mazzariello and Francesco Oliviero</i> <b>Risk Assessment in Critical Infrastructure Security Modelling Based on Dependency Analysis</b> <i>Thomas Schaberreiter, Kati Kittilä, Kimmo Halunen, Juha Rönning, and Djamel Khadraoui</i> <b>Countermeasures Selection via Evidence Theory</b> <i>Digioia Giusj, Chiara Foglietta, Gabriele Oliva, Stefano Panzieri</i> <b>The Robustness of Assortativity</b> <i>Gregorio D'Agostino and Antonio Scala</i>
<b>17:45</b>	<b>Bus leaving for the Conference Dinner</b>
<b>19:00 – 22:00</b>	<b>Conference Dinner</b>
<b>22:15</b>	<b>Bus returning from the Conference Dinner</b>



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Friday, September 9, 2011	
8:30 – 9:15	<i>Registration, Welcome Coffee and Croissant</i>
9:15 – 10:15	<i>Keynote 2</i> <i>Invited Speaker: Andrea SERVIDA, European Commission</i>
10:20 – 11:00	<b>Session 5: Interdependency Modelling and Simulation</b>
	<b>Interdependencies between critical Infrastructures: Analyzing the Risk of Cascading Effects</b> <i>Panayiotis Kotzanikolaou, Marianthi Theoharidou, and Dimitris Gritzalis</i> <b>How to Perform Verification &amp; Validation of Critical Infrastructure Modeling and Simulation Tools</b> <i>Roberto Setola, Alfonso Farina, Antonio Graziano, Stefano Panzieri, and Federica Pascucci</i>
11:00 – 11:15	<i>Refreshments</i>
11:15 – 12:15	<b>Session 6: Cyber and Physical Vulnerability Analysis</b>
	<b>Petri Net Modelling of Physical Vulnerability</b> <i>Francesco Flammini, Stefano Marrone, Nicola Mazzocca, and Valeria Vittorini</i> <b>Investigating the Effect of Network Parameters on Coordinated Cyber Attacks Against a Simulated Power Plant</b> <i>Bela Genge and Christos Siaterlis</i> <b>The Role of the DNS in the Secure and Resilient Operation of CIs: The Energy System Example</b> <i>Igor Nai Fovino, Salvatore Di Blasi, and Andrea Rigoni</i>
12:30 – 13:30	<i>Lunch</i>
13:30 – 14:00	<i>Distinguished Speaker: Paul Theron, Thales, France</i>
14:00 – 15:00	<b>Session 7: Trust Models and Information Sharing</b>
	<b>The Development of Warning, Advice, and Reporting Points (WARPs) in UK National Infrastructure</b> <i>Tony Proctor</i> <b>The Contribution of NEISAS to EP3R</b> <i>David Sutton, John Harrison, Sandro Bologna, and Vittorio Rosato</i> <b>Policies to Improve Resilience against Major Industrial Accidents</b> <i>Leire Labaka, Josune Hernantes, Ana Laugé, and Jose María Sarriegi</i>
15:00 – 15:20	<i>Refreshments</i>
15:20 – 16:30	<b>Session 8: Round Table</b>
	<b>Title:</b> Leveraging CIP through Sharing Knowledge and Expertise: Hesitations, Concerns and Incentives <b>Chairperson:</b> Naouma Kourti, Joint Research Centre Ispra <b>Panellists:</b> Stefan Brem, National CIP Programme, Swiss Federal Office for Civil Protection Eric Luijff, TNO Stefan Pickl, Bundeswehr Uni Munich Andrea Servida, European Commission Annemarie Zielstra, CPNI.NL Marcel Zumbühl Head of Security, Swisscom (Schweiz AG)
16:30	<i>Announcement CRITIS 2012</i>
16:40	<i>End of the Conference</i>

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CREDIT SUISSE



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