

Critical Information Infrastructure Protection: Where We Stand and Where We Are Heading To (CIIP)

To be held during the 2nd Conference on Mobile Lightweight Wireless Systems (MOBILIGHT 2010).

Barcelona, Spain, 10-12 May, 2010, <http://www.mobilight.org>

Scope:

The event is meant to be a forum at the EU level to facilitate exchanges of views on issues related to Critical Information Infrastructure Protection (CIIP). Information Infrastructures have become a key building block of virtually all Critical Infrastructures (CIs) which are being built today, as well as of a plethora of critical applications. As such, the design and operation of Critical Information Infrastructures (CIIs) is increasingly being characterized by challenging security and dependability requirements. This trend is unlikely to change in the future, due to a number of factors, including: i) Wireless Sensor Networks (WSNs) have become commonplace in a number of application domains, ii) Commercial-Of-The-Shelf (COTS) components are being massively used for implementing Supervisory Control And Data Acquisition (SCADA) systems, iii) subsystems are being connected using the infrastructure of the corporate Local Area Network (LAN), or even Wide Area Network (WAN) links, including the public Internet, and satellite trunks. The Member States have varying approaches to CIIP, but the success of CIIP programmes depends heavily on the cooperation and level of involvement that different stakeholders can achieve. This special session aims at sharing ideas towards the creation of a common approach for the establishment of requirements and needs to improve the protection of Critical Information Infrastructures.

We are interested in projects addressing CIIP issues. Topics of interest include (but are not limited to):

- Dependability and resilience of Critical Information Infrastructures;
- Use of WSNs in Critical Infrastructures;
- Emerging vulnerabilities and threats to CIIs and CIs;
- Experiences related to specific CIs (e.g. power grids, supply chains, financial applications, ...);
- Middleware and network technologies for data distribution in CIs;
- Identification, detection, diagnosis, and reaction to security threats in CIs.

Important dates:

Paper submission deadline	January 25, 2010
Notification of Acceptance	February 15, 2010
Final paper	March 15, 2010

The papers should be submitted electronically in PDF format and using the MOBILIGHT paper template, through the MOBILIGHT webpage (www.mobilight.org/) following the instructions given in the Submission Guidelines section.

Accepted papers will be published by Springer in the MOBILIGHT Conference Proceedings and made available online through Springer Lecture Notes of ICST (LNICST).

Note: Papers submitted to each workshop should be original and peer reviewed by the program committee and external reviewers. An accepted paper must be registered and presented at the workshop venue.

Organizing committee:

Luigi Romano is currently an Associate Professor at the University of Naples "Parthenope", in Italy. He is an expert in system security and dependability. In FP7, he is the Technical Coordinator of the INSPIRE project, and one of the Principal Investigators of both the INSPIRE INCO and the INTERSECTION projects. He is a member of the European Network and Information Security Agency (ENISA, <http://www.enisa.europa.eu/>) expert group on Priorities of Research On Current and Emerging Network Technologies (PROCENT).

Salvatore D'Antonio is currently an Assistant Professor at the University of Naples "Parthenope". He is an expert in network monitoring and management, intrusion detection systems, and information system security. In FP7, he is the Technical Coordinator of the INTERSECTION project and the Project Coordinator of both the INSPIRE project and the INSPIRE-INCO projects.

Neeraj Suri received his Ph.D. from the University of Massachusetts at Amherst. He currently holds the TU Darmstadt Chair Professorship in "Dependable Embedded Systems and Software" at TU Darmstadt, Germany. His earlier academic appointments include the Saab Endowed Professorship and faculty at Boston University. His research interests focus on design, analysis and assessment of networked and trusted (secure + dependable) embedded systems/SW. His group's research activities have garnered support from both the European Commission, US (NSF, DARPA, ONR, AFOSR) and multiple EU industry partners. He is also a recipient of the NSF CAREER award.

Abdelmajid Khelil received his M.Sc. degree in Electrical Engineering in 2000 and his Ph.D. in Computer Science in 2007 from the University of Stuttgart, Germany. Currently he is a post-doctoral researcher at the Technical University of Darmstadt, Germany, in the Dependable, Embedded Systems & Software (DEEDS) Group. His main research targets the area of network and mobile security. He leads the activity of security profiling in heterogeneous interconnected infrastructures for a DFG GK project on mixed-mode systems.

Rafal Renk has been working since 1998 at the Institute of Information and Communication Technologies Ltd. (ITTI), in Poznan as a consultant engineer and a project manager. He has directed/been involved in a number of projects dealing with information and security systems, critical infrastructure, teleinformatics and intelligent networks, Internet telephony, traffic engineering, distance learning systems, ad hoc networks.

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