Call for Papers

CRITIS 2014
9th International Conference on
Critical Information Infrastructures Security
October 13-15, 2014
Limassol, Cyprus

Modern society relies on the availability and smooth operation of a variety of complex engineering systems. These systems are termed Critical Infrastructure Systems (CIS). Some of the most prominent examples of critical infrastructure systems are electric power systems, telecommunication networks, water distribution systems, transportation systems, wastewater and sanitation systems, financial and banking systems, food production and distribution, and oil/natural gas pipelines. Our everyday life and well-being depend heavily on the reliable operation and efficient management of these critical infrastructures. The citizens expect that critical infrastructure systems will always be available and that, at the same time, they will be managed efficiently (i.e., they will have a low cost). Experience has shown that this is most often true. Nevertheless, critical infrastructure systems fail occasionally. Their failure may be due to natural disasters (e.g., earthquakes and floods), accidental failures (e.g., equipment failures, software bugs, and human errors), or malicious attacks (either direct or remote). When critical infrastructures fail, the consequences are tremendous. These consequences may be classified into societal, health, and economic.

On behalf of the Steering Committee and the Local Organizing Committee we invite you to submit papers and attend the **CRITIS 2014** conference. CRITIS 2014 continues a well-established tradition of successful annual conferences. It aims at bringing together researchers and professionals from academia, industry and governmental organizations working in the field of the security of critical infrastructure systems.

Conference web site
http://critis2014.org

Important dates
Deadline for invited session proposals: April 28, 2014
Deadline for submission of papers: **June 20, 2014**
Notification to authors: July 1, 2014
Camera-ready papers: July 30, 2014

Venue
Limassol, Cyprus

Shell (CC)

Submission
The manuscripts should be submitted in PDF format and they should follow the Springer-Verlag Lecture Notes in Computer Science template. Papers should be no longer than 12 pages in English, including bibliography and well-marked appendices. All accepted papers will be included in the conference proceedings which will be distributed during the conference. Selected papers will also be included in a special volume and published by Springer-Verlag Lecture Notes in Computer Science. Paper submission will be done via EasyChair.

Supported by:

Topics

- Infrastructure resilience and survivability
- Security and protection of complex cyber-physical systems
- Self-healing, self-protection, and self-management architectures
- Cyber security in critical infrastructure systems
- Critical (information-based) infrastructures exercises and contingency plans
- Advanced forensic methodologies for critical information infrastructures
- Economics, investments and incentives of critical infrastructure protection
- Infrastructure dependencies: modeling, simulation, analysis and validation
- Critical infrastructure network and organizational vulnerability analysis
- Critical infrastructure threat and attack modeling
- Public-private partnership for critical infrastructure resilience
- Critical infrastructure protection polices at national and cross-border levels
- Fault diagnosis for critical infrastructures
- Fault tolerant control for critical infrastructures
- Security and protection of smart buildings
- Detection and management of incidents/attacks on critical infrastructures
- Preparedness, prevention, mitigation and planning

Call for Special Sessions

Proposals for organizing special sessions during CRITIS 2014 are cordially invited. Special sessions will comprise 4-6 papers presenting a unifying theme of interest to the conference attendees from a diversity of viewpoints. Special Session proposals from active research projects are particularly welcomed. Proposals for special sessions must include the title of the session, a paragraph describing the theme of the session, names and affiliation of the contributing authors, and tentative titles of the contributions.

The component papers must be submitted separately by the respective authors, as per the regular submission procedure. For the special sessions both regular papers and extended abstracts will be considered. Each paper in a proposed invited session will be individually reviewed. Any rejected papers submitted as part of an invited session will be removed and appropriate contributed papers may be substituted, at the discretion of the Program Committee. Likewise, selected papers from rejected invited sessions may be placed into other sessions. Further exchanges may be made to ensure coherence of the sessions, at the discretion of the Program Committee.

Organizing Committee

Marios Polycarpou (University of Cyprus, General Co-Chair)
Elias Kyriakides (University of Cyprus, General Co-Chair)
Christos Panayiotou (University of Cyprus, Program Chair)
Vicenç Puig (Universitat Politècnica de Catalunya, Program Co-Chair)
Erich Rome (Fraunhofer Institute for Intelligent Analysis and Information Systems, Program Co-Chair)

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