Research in cyber - October symposium

Date
Monday October 3, 2016 9:00am to 5:00pm

Location
Sofia, Bulgaria

Description

Hosted by NATO Science and Technology Organization:

Information Systems Technology Panel (IST) is one of the seven Panels whose role it is to implement, on behalf of the Science & Technology Board, the STO Mission with respect to Information Systems Technology. The advancement and exchange of techniques and technologies to provide timely, affordable, dependable, secure and relevant information to war fighters, planners and strategists, as well as enabling technologies for modelling, simulation, and training are the focus of this Panel. The Information Systems Technology Panel covers the fields of Information Warfare and Assurance, Information and Knowledge Management, Communications and Networks and Architecture and Enabling Technologies.

Responding to the rising danger of cyber-attacks: NATO must accelerate efforts to respond to the danger of cyber-attacks by protecting its own communications and command systems, helping Allies to improve their ability to prevent and recover from attacks, and developing an array of cyber defence capabilities aimed at effective detection and deterrence. An important requirement for cyber defence is improved Cyber Defence Situation Awareness (CDSA) of the cyber environment. Researchers have focused in the areas of situational awareness metrics, visualization and dynamic risk assessment for mission assurance. In addition, several project have been established which are developing CDSA tools, techniques and technologies, and are at the point where nations can leverage each other's efforts through international collaboration. The CDSA Symposium is proposed as an opportunity to present current state-of-the-art projects and research activities in the domain of CDSA

The aim of the symposium is to bring together experts and practitioners from NATO member military agencies along with industry leaders and academic visionaries to present and discuss the state-of-the-art developments and hard challenges in cyber defence situational awareness, cyber security and the application and exploration of cyber security metrics, dynamic risk assessment, visualization and visual analytics in cyber defence. The meeting will result in a raised awareness of common efforts and the development of collaborative opportunities.

TOPICS: Cyber Defence

- Cyber Resiliency

- Current Challenges in Cyber Security
- Cyber Situational Awareness
- Security Metrics
- Dynamic Risk Assessment
- Mission Assurance
- Continuous Monitoring
- Network Analysis and Monitoring
- Visual Analytics
- Case Studies, Best Practices and Lessons Learned
- Evaluation of Situation Awareness effectiveness in CD
- Cyber Security Models and Architectures
- Security Verification, Evaluations and Measurements

Enrol Online at: http://www.sto.nato.int
Click on "Upcoming STO Events", where you will find the IST-148 Symposium
Once your enrolment is validated, you will receive a General Information Package (GIP) giving you further necessary details about the meeting.
There are no conference fees.
If you are unable to enrol via the internet, please contact the
IST Panel Assistant at: aysegul.apaydin@cso.nato.int
Alert Classifications**Category:**
Workshops and Events

Disciplines:
Health and Life Sciences
Humanities
Information and Communications Technology
Physical Sciences and Engineering
Social Sciences

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