



## Science for Peace and Security (SPS) North Atlantic Treaty Organization

ADVANCED RESEARCH WORKSHOP

**Philosophy and Synergy of Information: Sustainability and Security.**

20–24 April 2011, Tbilisi, Georgia

## Conference Announcement (I)

### About conference

Conference will be held in Tbilisi, capital of Georgia. The main Organizer is Georgian Technical University with support of several distinguish academic and education organizations of Europe and USA.

### Conference Programme

The conference programme will cover all major areas of Information-Communication methods and tools, and particularly:

- Info science and humanitarian disciplines
- Information society and innovations
- Data and information sources, criteria, and models for sustainable development
- New directions in international scientific coordination
- Building a international community of scientists: promise and pitfalls
- Preservation of and access to scientific & technical data in natural sciences
- International social science information and communication models, policies, & principles
- External threats to freedom of access to information
- Crossing the digital divide: recent progress in improving data management for sustainability and security
- Panel on issues and concerns of young scientists and curricula in information of knowledge management for different directions of science and technology
- Regional and global e-science and cyberinfrastructure developments
- Advanced distributed information-communication processing methods for science and engineering applications
- Artificial Intelligence applications in humanitarian, social and natural sciences
- Synergy of Information and lessons from biodiversity, geochemistry, neurology, health, and other disciplines
- Data security in information and communication systems
- Interoperability of heterogeneous data systems on materials, environments, human sciences and other fields
- Development of open access, data commons, information commons and open culture: building links between regional, disciplinary, and interdisciplinary initiatives

- Addressing linguistic barriers to scientific data integration and application
- Human science integration and its synthetic research methodology
- New frontiers in human science data integration
- Sensory systems and networks for real-time monitoring and analysis
- Synergy in Biodiversity; Observation and Specimen Records
- Information and communication of Risks Data for safety (disasters, illnesses, etc.)
- New datas and achievements in Physics, Chemistry and engineering as well as in Materials science data and their multidisciplinary applications
- Informatics in energy generation and resource management

The scientific programme of the conference includes four days of key note and oral presentations on all main areas of novel Information-Communication methods and tools in science and technology for sustainable development and security, as well as round table discussions. At the last day of the conference it is planning to organize scientific tours in Tbilisi State University, St. Andrew University and other Educational and Cultural centres of Georgia.

### **Coference Fee**

Conference has no registration fee

### **Important dates**

*Abstract submission opening	January 20, 2011
Abstract submission deadline	February 20, 2011
Notification of acceptance	March10, 2011
Manuscript submission deadline	April 22, 2011

The official language of the conference is English

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\*The paper size of the abstract should be 21\*29.5cm (A4) with a margin of 3cm on the top and bottom and 2.5cm on the right and left. The abstract should be formatted using "Times New Roman" font throughout, single-spaced paragraphs, capitalized titles using 14 pt. type, and 12 pt. type for the body text. The abstract should be submitted as a ".doc" file attachmen

