

CALL FOR PAPERS

<http://www.isiconference.org/2009>

Conference Scope and Background

Intelligence and Security Informatics (ISI) has been established as an interdisciplinary subject that focuses on the development and use of advanced information technologies, including methodologies, models and algorithms, infrastructure, systems, and tools, for local, national/international, and global security related applications through an integrated technological, organizational, behavioral, and policy based approach. The themes of the 2009 IEEE ISI conference will cover context-aware data analysis, effective counterterrorism, and public education on cybercrime detection. The conference will provide a stimulating forum for ISI researchers all over the world to exchange ideas and report research results.

Paper Submission/Areas of Interest

Submissions may include systems, methodology, testbed, modeling, evaluation, policy, and position papers. Research should be relevant to informatics, organization, and/or public policy in applications of counter-terrorism or protection of local/national/international/global security in the physical world and/or cyberspace. Proposals for tutorials and special-topic workshops in any areas of Intelligence and Security Informatics research and practice are also welcome. The ISI 2009 conference proceedings will be published by the IEEE Press. Topics include but are not limited to:

I. Information Sharing and Data/Text Mining

- ▶ Intelligence-related knowledge discovery
- ▶ Criminal data mining and network analysis
- ▶ Criminal/intelligence info. sharing and visualization
- ▶ Web-based intelligence monitoring & event detection
- ▶ Deception and intent detection
- ▶ Cybercrime detection and digital forensics
- ▶ Spatio-temporal data analysis/GIS for crime analysis and security informatics
- ▶ Image and video analysis for intention detection
- ▶ Authorship analysis and identification
- ▶ Applications of digital library technologies in intelligence data processing, preservation, sharing, and analysis
- ▶ Agents and collaborative systems for intelligence sharing
- ▶ HCI and user interfaces of relevance to ISI
- ▶ Information sharing policy and governance
- ▶ Privacy, security, and civil liberties issues
- ▶ Computerized community security and surveillance systems
- ▶ Context-aware data analysis

II. Infrastructure Protection and Emergency Responses

- ▶ Cyberinfrastructure design and protection
- ▶ Intrusion detection
- ▶ Bio-terrorism tracking, alerting, and analysis
- ▶ Bioterrorism information infrastructure
- ▶ Transportation and communication infrastructure protection
- ▶ Border/transportation safety
- ▶ Emergency response and management
- ▶ Disaster prevention, detection, and management
- ▶ Communication and decision support for search and rescue
- ▶ Decision support systems for real-time/near real-time security-related events
- ▶ Assisting citizen response to terrorism and catastrophic events
- ▶ Computer forensics and crime lead discovery
- ▶ Cryptography & anti-fraud IT
- ▶ Immigration and security

III. Terrorism Informatics

- ▶ Terrorism related analytical methodologies and software tools
- ▶ Terrorism knowledge portals and databases
- ▶ Terrorist incident chronology databases
- ▶ Terrorism root cause analysis
- ▶ Social network analysis (radicalization, recruitment, conducting operations), visualization, and simulation
- ▶ Forecasting terrorism
- ▶ Countering terrorism
- ▶ Measuring the impact of terrorism on society
- ▶ Measuring the effectiveness of counter-terrorism campaigns
- ▶ Crime intelligence and cyberspace crime investigation

Important Dates

Paper submissions due

- ❖ February 2, 2009

Notification of acceptance

- ❖ March 25, 2009

Tutorial/Workshop proposals

- ❖ February 20, 2009

Camera ready copy due

- ❖ April 10, 2009

Conference dates

- ❖ June 8-11, 2009

Organizing Committee

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