Intelligence and Security Informatics (ISI) research is an interdisciplinary research field involving academic researchers in information technologies, computer science, public policy, bioinformatics, medical informatics, and social and behavior studies as well as local, state, and federal law enforcement and intelligence experts, and information technology industry consultants and practitioners to support counterterrorism and homeland security missions of anticipation, interdiction, prevention, preparedness and response to terrorist acts. The annual IEEE International ISI Conference series (http://www.isiconference.org) was started in 2003.

The goal of EISIC 2011 is to gather people from previously disparate communities to provide a stimulating forum for exchange of ideas and results. We invite academic researchers (in information technologies, computer science, public policy, and social and behavioral studies), law enforcement and intelligence experts, as well as information technology companies, industry consultants and practitioners in the fields involved. EISIC 2011 will be held in Athens, Greece.

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. The accepted papers will be published by the IEEE Computer Society Press (approval pending) in formal Proceedings. EISIC 2011 will be organized in four main streams focusing on:

### Terrorism Informatics
- **Information Sharing and Data/Text Mining**
  - Intelligence-related knowledge discovery
  - Computer or cyber crime investigations and digital forensics
  - Criminal investigative criteria and standard of procedure on Computer crime
  - Criminal data mining and network analysis
  - Criminal/ intelligence information sharing and visualization
  - Web-based intelligence monitoring and analysis
  - Spatial-temporal data analysis/GIS for crime analysis and security informatics
  - Deception and intent detection
  - Cyber-crime detection and analysis
  - 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 intelligence and security
  - Information sharing policy and governance
  - Privacy, security, and civil liberties issues
  - Intelligence-computerized community security and surveillance systems
- **Infrastructure Protection and Emergency Responses**
  - Cyber-infrastructure design and protection
  - Intrusion detection
- **Computational Criminology**
  - Bio-terrorism tracking, alerting, and analysis
  - Bio-terrorism 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
  - Assisting citizens’ responses to terrorism and catastrophic events
  - Computer forensics and crime lead discovery
  - Anti-fraud information technology
- **3. 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
  - Immigration and security

### 4. Computational Criminology
- Crime pattern recognition and modeling tools
- Offender social network analysis (infrequent to frequent offenders)
- Crime generators and crime attractors
- Forecasting crime and its impact
- Drug, gang and special crime analysis and modeling tools
- Data mining and data fusion of crime - urban databases
- Dynamic information systems analysis for crime and place
- Privacy and security in crime and justice system data
- Spatial and temporal analysis and software tools
- Law Enforcement decision support systems
- Cybercrime

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**Honorary General Chairs:**
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**Paper Submission Due:** May 6
**Notification of Acceptance:** June 27
**Camera Ready Paper Due:** July 15
**Authors Registration Due:** July 30
**Conference:** September 12-14

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**Registration Information:**
- [http://www.eisic.org](http://www.eisic.org)