CALL FOR PAPERS

IEEE International Conference on Intelligence and Security Informatics (IEEE ISI-2008)
Conference Web site: http://isi2008.cpu.edu.tw/
June 17 ~ 20, 2008, Taipei, Taiwan

Important Dates

♦ Submissions due: **January 31, 2008**
♦ Camera-ready copy due: **March 28, 2008**

Notification of acceptance: **March 14, 2008**
Conference dates: **June 17-20, 2008**

Hosts

- Central Police University, Taiwan
- National Taiwan University, Taiwan
- National Taiwan University of Science and Technology, Taiwan
- Institute of Information Science, Academia Sinica, Taiwan

Major Sponsors

- Institute of Electrical and Electronics Engineers, Intelligent Transportation Systems Society (IEEE ITSS)
- Science and Technology Advisory Group of Executives Yuan, Taiwan
- Ministry of the Interior, Taiwan
- National Security Agency, Taiwan
- National Science Foundation, U.S. (see the website for complete sponsor list)

Intelligence and Security Informatics (ISI) is concerned with the study of the development and use of advanced information technologies and systems, computer science, and algorithms for national, international, and societal security-related applications, through an integrated technological, organizational, and policy based approach. The annual IEEE International Conference series (http://www.isiconference.org) on ISI was started in 2003 and the first five meetings were held in Tucson (twice), Atlanta, San Diego, and New Brunswick in the United States. In addition, two Pacific Asia Workshops on ISI were held in Singapore and Chengdu, China, in 2006 and 2007 respectively. These ISI conferences and workshops have brought together academic researchers, law enforcement and intelligence experts, information technology consultants and practitioners to discuss their research and practice related to various ISI topics. Besides the established and emerging ISI research topics of ISI conferences and workshops, we also extend ISI to cover related rapid growing areas, such as computer forensics and cyber investigation. The conference will provide a stimulating forum for ISI researchers all over the world to exchange ideas and report research progress.

Paper Submission/Areas of Interest

Submissions in related research areas may include system, methodology, evaluation, testbed, intelligence policy, and position papers. Research should be relevant to both informatics and national/international and homeland security, and be relevant to the academic and public policy communities. Topics include but are not limited to:

I. Information Sharing and Data Mining	II. Infrastructure Protection and Emergency Response	III. Terrorism Informatics
◄ 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 system	◄ Cyberinfrastructure design and protection ◄ Intrusion detection ◄ 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	◄ 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

Paper submission: Long (6,000 words, 6 pages max.) and short (3,000 words, 3 pages max.) papers in English, using the IEEE two-column format, must be submitted online in Microsoft Word or PDF format by Thursday, January 31, 2008. Authors wishing to present a poster and/or demo may submit a 2-page abstract, which, if selected, will appear in the Proceedings. Required templates (IEEE two-column format) can be found on the conference Web site. The final version must be prepared strictly following the IEEE Conference Proceedings requirements. Please see the website for additional information and requirements.

Workshops: Three Workshops will be offered as part of ISI 2008: 1) Pacific Asia Workshop on Intelligence and Security Informatics (PAISI2008); 2) Pacific Asia Workshop on Cybercrime and Computer Forensics (PACCF2008); and 3) Workshop on Social Computing (SOCO2008). Workshop submissions must follow the requirements posted for the relevant Workshop. Please refer to the Workshop pages in the conference website for information about submissions to workshops.

Meet the Author Sessions: Authors of accepted papers are strongly encouraged to also discuss their findings in a "meet the author" poster/demo session.

Conference Organizing Committees

Conference Co-chairs
- **President Ing-Dan Shieh**, Central Police Univ., Taiwan
- **President Si-Chen Lee**, National Taiwan Univ., Taiwan
- **President Shi-Shuenn Chen**, National Taiwan Univ. of Sci. and Tech.
- **Director D.T. Lee**, Inst. of Information Science, Academia Sinica, Taiwan
- **Professor Hsinchun Chen**, Univ. of Arizona, USA

Conference Organizing Committee Co-chairs
- **Vice President I-An Low,** Central Police Univ., Taiwan
- **Dean Frank F.Y. Huang,** Central Police Univ., Taiwan
- **Professor Yuan-Cheng Lai,** National Taiwan Univ. of Science and Technology
- **Professor Jau-Hwang Wang,** Central Police Univ., Taiwan

Program Committee Co-Chairs
- **Professor Wun-Hwa Chen,** National Taiwan Univ., Taiwan
- **Dr. Wen-Lian Hsu,** Academia Sinica, Taiwan
- **Professor Christopher C. Yang,** Chinese Univ. of Hong Kong
- **Professor Tzong-Chen Wu,** National Taiwan Univ. of Sci. and Tech.
- **Professor Daniel Zeng,** Univ. of Arizona, USA

Keynote and Invited Speakers
- **Dr. Henry C. Lee**, "Cyber Crime and Challenges for Crime Investigation" *Keynote*
- **Dr. Jarrett Brachman**, "Countering Terrorism"
- **Dr. Joydeep Ghosh**, "Probablistic Frameworks for Privacy-Aware Data Mining"
- **Dr. Hsinchun Chen**, "Activism, Extremism & Terrorism on the Web"
- **Dr. Bhavani Thuraisingham**, "Data Mining for Security Applications"
- **Dr. Jaideep Srivastava**, "Data Mining for Social Network Analysis"
- **Dr. Fei-Yue Wang**, "Social Computing: Fundamentals & Applications"