

## CALL FOR PAPERS

### Workshop on Intelligence and Security Informatics (WISI'06)

in conjunction with the Pacific Asia Conference on Knowledge Discovery and Data Mining (PAKDD'06)

Workshop Website: <http://isi.se.cuhk.edu.hk>

April 9, 2006, Singapore

#### Important Dates

- Submission due **November 15, 2005**
- Notification of acceptance **December 30, 2005**
- Camera-ready copy due **January 10, 2006**

#### Workshop Scope

Intelligence and Security Informatics (ISI) can be broadly defined as the study of the development and use of advanced information technologies and systems for national and international security-related applications. The First and Second Symposia on ISI were held in Tucson, Arizona, in 2003 and 2004, respectively. In 2005, the IEEE International Conference on ISI was held in Atlanta, Georgia. These ISI conferences have brought together academic researchers, law enforcement and intelligence experts, information technology consultant and practitioners to discuss their research and practice related to various ISI topics including ISI data management, data and text mining for ISI applications, terrorism informatics, deception detection, terrorist and criminal social network analysis, crime analysis, monitoring and surveillance, policy studies and evaluation, information assurance, among others. We continue this stream of ISI conferences by organizing the Workshop on Intelligence and Security Informatics (WISI'06) in conjunction with the Pacific Asia Conference on Knowledge Discovery and Data Mining (PAKDD'06). WISI'06 will provide a stimulating forum for ISI researchers in Pacific Asia and other regions of the world to exchange ideas and report research progress. The workshop also welcomes contributions dealing with ISI challenges specific to the Pacific Asian region.

#### Paper Submission/Areas of Interest

Submissions may include systems, methodology, testbed, modeling, evaluation, and policy papers. Research should be relevant to *both* informatics and national/international security. 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 information sharing and visualization
- Web-based intelligence monitoring and analysis
- Spatio-temporal data analysis/GIS for crime analysis and security informatics
- Deception and intent detection
- Cybercrime 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

##### 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
- Assisting citizens' responses to terrorism and catastrophic events

##### 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

Long (6,000 words) and short (3,000 words) papers (in English) may be submitted electronically via the workshop Web site after November 1, 2005. Submission file formats are PDF and Microsoft Word/LaTeX. Accepted WISI'06 papers will be published along with accepted papers from other workshops in PAKDD'06 in the Springer Lecture Notes in Computer Science (LNCS) series. Required LNCS Microsoft Word/LaTeX templates can be found on the workshop Website. Authors who wish to only present a poster may submit a 500-word abstract, which will be reviewed and will appear in the Proceedings if accepted.

#### Keynote Speaker

Bhavani Thuraisinghan, University of Texas, Dallas

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