



CALL FOR PAPERS

BioSecure 2009

Biosurveillance and Biosecurity Workshop: International Perspectives

Taipei, Taiwan, September 24-25, 2009

The 2009 Biosurveillance and Biosecurity Workshop (BioSecure 09) will continue the annual biosurveillance and biosecurity workshop series, which was started in 2006. BioSecure 09 will be held in Taipei hosted by the Taiwan National University; it will be the first time that this workshop is held in the Asia-Pacific region. The inaugural meeting was held in Tucson, Arizona, hosted by the University of Arizona. It attracted participants from academic institutions, industry, and public health agencies, and achieved its objective of bringing together infectious disease informatics (IDI) researchers and practitioners to discuss selected topics directly relevant to data sharing and analysis for real-time animal and public health surveillance. The 2007 meeting was held in New Brunswick, New Jersey, co-located with the 2007 IEEE International Conference on Intelligence and Security Informatics. The 2008 meeting was held in Raleigh, North Carolina, as part of the pre-conference workshop series at the International Society for Disease Surveillance Seventh Annual Conference. Researchers from a wide range of backgrounds including biosecurity, epidemiology, statistics, applied mathematics, information systems, computer science and machine learning/data mining, contributed formal papers and actively participated in the meetings along with practitioners from both government agencies and industry, representing major research labs across multiple disciplines, key industry players, and a range of government entities. The proceedings of the 2007 and 2008 meetings were published in the prestigious Springer Lecture Notes in Computer Science series.

Key Objectives:

- Fostering collaboration between biosurveillance and biosecurity researchers and practitioners in Asia-Pacific countries and the rest of the world
- Sharing international perspectives of biosurveillance practice
- Discussing international data sources and challenges, and
- Promoting cross-cutting research among public health and computer/information sciences research communities.

Main Workshop Themes:

- Emerging Biosurveillance Techniques, Models, and Systems
- International Data Sources, Case Studies, and Collaboration

Topic Coverage and Paper Submission:

Long (12 pages), short (6 pages) papers, and extended abstracts (2 pages) may be submitted electronically via the workshop website after May 10, 2009. Submissions must be written in English. A formal publication with the Springer LNCS is planned. Required Springer LNCS Microsoft Word/LaTeX templates can be found on the workshop website. Relevant sample topics include but are not limited to:

- Biosurveillance and biosecurity system architecture and interoperability
- Bio-event detection from distributed and diverse data sources
- International health information sharing and data governance
- Spatio-temporal data analysis/GIS for biosurveillance and biosecurity applications
- Social network analysis for biosecurity
- System evaluation, scalability, and sustainability
- Privacy and system security issues
- Case studies and technology adoption

Invited Speakers

- Sherrilynne S. Fuller, U. of Washington
- Wendy Chapman, U. of Pittsburgh
- Mark S. Smolinski, Director Predict and Prevent Google.org
- Hsinchun Chen, University of Arizona
- Daniel Zeng, University of Arizona
- Nobuhiko Okabe, Director, Infectious Disease Surveillance Center, National Institute of Infectious Diseases, Japan
- Nguyen Thanh Thuy, Head, Biosafety Dept. National Institute of Hygiene and Epidemiology, Vietnam
- Tsend Selenge, The National Center for Communicable Diseases, Mongolia

Workshop Hosts

- Institute of Epidemiology, National Taiwan University
- University of Arizona

See additional information on the Workshop website: <http://ai.arizona.edu/BIO2009>