CALL FOR PAPERS

International Symposium on Foundations of Open Source Intelligence and Security Informatics (FOSINT-SI 2014)

Beijing, China, August 18-19, 2014 (see http://fosint-si.cpsc.ucalgary.ca)

In conjunction with ASONAM 2014, Beijing, August 17-20 (see http://www.asonam2014.org)

Terrorism and crime threaten the international community and our society more than ever before. Criminal networks and terrorist groups that often operate globally try to hide their illegal activities by using advanced information and communications technology. They communicate easier and form global communities that are hard to track. Fortunately, resources like social media, event logs, phone call logs, web logs, and other time series data, constitute a rich source for knowledge discovery. There is a serious need for innovative techniques and tools capable of achieving the ultimate goal of early warning to help detecting, identifying and neutralizing the source of a threat. Motivated by this need with high social impact, research related to open source intelligence and security informatics is gaining momentum in academia, industry, law enforcement and intelligence agencies. Developing effective knowledge discovery methods, techniques and tools to combat crime and terrorism requires coordinated and intensified collaborations across these communities. The aim of this symposium is to provide a unique international forum for academic researchers, government professionals and industrial practitioners to socialize, share their ideas, and exchange their data, knowledge, and expertise.

Conference Topics: The International Symposium on Foundations of Open Source Intelligence and Security Informatics (FOSINT-SI 2014) invites original research submissions on all topics related to the foundations of open source intelligence and security informatics, specifically—but not exclusively—those listed below:

Web Intelligence and Security

- News monitoring, analysis and visualization
- Online social networks security and privacy
- Web spam detection
- Privacy and security issues in social media
- E-mail security, phishing and fraud
- Trust and security in e-commerce
- Security in location based services
- Terrorist activity detection on the Web

Crime Data Mining

- Criminal network analysis
- Social network analysis for suspect investigation
- Crime forecasting
- Spatiotemporal analysis of crime data
- Big crime data mining algorithms
- Criminal profiling methods
- Privacy preserving algorithms for crime data
- Crime pattern recognition and modeling
- Data mining for counterterrorism

Cybercrime Analysis

- Cybercrime monitoring and filtering
- Cybercrime investigation
- Intrusion detection and prevention
- Protection against cyber terrorism
- Detection and analysis of online abuse of children
- Social effect of cyber crime
- Digital identity management

Open Source Situational Awareness

- Command and control
- Improving situational awareness through social media
- Social media for natural disasters monitoring and recovery
- Crowdsourcing and wisdom of the crowds
- Multi-agent system for security and surveillance

Paper Submission

We welcome all submissions reporting original and unpublished research papers written in English and pertaining to the above topics. Three categories of submissions will be accepted: full papers up to 8 pages, short communications up to 4 pages, and abstracts up to 2 pages, all in IEEE two-columns format. Submissions should include the title, authors, affiliation, e-mail address, tel/fax numbers, abstract, and postal address on the first page. Papers should be submitted online using the symposium Online Submission System (https://www.easychair.org/conferences/?conf=fosintsi2014).

Paper submission implies one of the authors must register and attend the symposium to present the paper. FOSINT-SI 2014 participants will also enjoy free access to the full program of ASONAM 2014 and all the accompanying symposia and workshops.

Selection Criteria

Papers will be thoroughly reviewed by experts in the field and will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Further, authors should certify that their submissions contain substantially new and previously unpublished research.

Accepted and presented papers will be included in the FOSINT-SI 2014 Conference Proceedings and forwarded for inclusion in IEEE Computer Society Digital Library (CSDL), IEEE Xplore and the ACM Digital Library. The conference proceedings will be submitted for EI indexing through INSPEC by IEEE.

A selection of high-quality research papers from FOSINT-SI 2014 will be invited to submit an extended version for an edited book in the Lecture Notes in Social Networks (LNSN) series published by Springer.

Key Dates

May 12, 2014	Paper submission deadline
June 6, 2014	Acceptance notification
June 21, 2014	Camera-ready paper due

Honorary Co-Chairs

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Raúl Manásevich, University of Chile, Chile

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