



ECIW 2011



10th European Conference on Information Warfare and Security

Tallinn University of Technology, Estonia

7-8 July 2011

Conference Chair: Vahur Kotkas, Institute of Cybernetics at Tallinn University of Technology, Tallinn, Estonia

Programme Chair: Rain Ottis, Cooperative Cyber Defence Centre of Excellence, Tallinn, Estonia

CALL FOR PAPERS, Action Research, Case Studies, Work in Progress/Posters, PhD Research, Round Table Proposals, non-academic Contributions and Product Demonstrations

The 10th European Conference on Information Warfare and Security (ECIW) is an opportunity for academics, practitioners and consultants from Europe and elsewhere who are involved in the study, management, development and implementation of systems and concepts to combat information warfare or to improve information systems security to come together and exchange ideas. There are several strong strands of research and interest that are developing in the area including the understanding of threats and risks to information systems, the development of a strong security culture, as well as incident detection and post incident investigation. At TUT much of our research focuses on cyber conflict. This conference is continuing to establish itself as a key event for individuals working in the field from around the world.

The conference committee welcomes contributions on a wide range of topics using a range of scholarly approaches including theoretical and empirical papers employing qualitative, quantitative and critical methods. Case studies and work-in-progress/posters are welcomed approaches. PhD Research, proposals for roundtable discussions, non-academic contributions and product demonstrations based on the main themes are also invited.

Submission details are given below. Topics for submissions may include, but are not limited to:

- Cyber conflict
- Case studies of cyber attacks in modern conflicts
- Human Factors
- Physical security
- SMEs - Small-to-medium Size Enterprises Security model
- Security implications of "virtualised machines and services
- The Resilience and Susceptibility of "Service
- Patriotic hackers as an extension of state power
- Theoretical cyber conflict scenarios
- Cyber-terrorism
- Counter-terrorism security policies, procedures and legislation
- Critical national infrastructure protection
- e-Health systems as part of a national critical infrastructure
- Information security governance and
- Potential military uses of cyber attacks
- Cyber conflict frameworks
- Principles of i-Warfare
- Information warfare policy
- Information warfare theory
- Information warfare techniques
- Information warfare and security education

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- Oriented Architectures" (SOAs)
- Hacking
- Information Assurance
- Malware
- UCE
- Cyber-fraud
- Risk Management
- Collaborative decision making
- Security policy
- Firewalls
- Phishing and spam
- Current Anti Virus Technologies
- Mobile Virus
- RFID Virus
- SQL Infections
- Data Loss
- Data Integration
- ISO 27001
- Gaussian empirical rule
- Natural computing
- Random numbers approximation sequence
- Traffic classification
- Subliminal Channel
- Machine Learning Risk
- Context free grammars
- management
- Biometrics
- Cryptography
- Wireless Treats
- Threat Agents
- Particle swarm data mining
- Virtual Intrusion Detection
- National security policy
- Acute situational awareness
- Aircraft Environment
- Digital forensics
- Network anomaly detection models
- Corporate defence mechanisms
- Security for small to medium enterprises
- Information, computer and network security
- Security of the virtual worlds
- SIMAD what can/should be done to protect against this threat?
- Unidirectional linguistic steganography
- IT auditing and compliance
- Information Security Architecture
- Artificial immune recognition system security infrastructure
- Public Key Infrastructure
- Network Address Translator
- Mathematical-filtering
- SecureMDA
- e-Intelligence/counter-intelligence
- Networked Centric War
- Reflector attacks
- Art of war
- Computers-as-weapons
- Electro-magnetic pulse weapons
- Information operations
- Strategic leadership
- Influence campaigns
- Psychological warfare
- PSYOP - PSYOPS
- Perception management
- Infra-structure warfare
- Military Culture Topography
- Modern conflict
- Military approaches
- Compromise path analysis
- Defence steganography
- Data and service integration
- Legal issues concerned with information warfare and e-Crime
- Non-traditional enemies
- Ethical, political and social issues relating to information warfare
- Association of Religions with Warfare
- Image-processing

Publication opportunity

Papers accepted for the conference will be published in the conference proceedings, subject to author registration. The proceedings have an ISBN and details of the proceedings accreditations are listed on the [conference website](#).

Selected papers from the conference will be considered for a special conference issue of the *Journal of Information Warfare*: <http://www.jinfowar.com>.

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As well as full academic papers, the following submissions are welcomed:

Work in Progress/Posters Researchers are invited to submit current projects which are either at the proposals stage or are work in progress.

PhD Research: Doctoral Candidates are invited to submit papers describing their research.

Case Study Submissions; Submissions should be written to publishable standards.

Non-Academic Contributions; Contributions from individuals and organisations working in the field. These contributions can take the form of a presentation or a demonstration.

Round Table Proposals; Topical subjects proposed for discussion.

Product Demonstrations and Exhibitor Opportunities: If you are contributing to the conference in any of the above categories you can also request the opportunity to give a product demonstration. If you would like to exhibit and/or demonstrate a product at the conference we suggest that you apply for one of our exhibitor packages.

Submission details

Abstracts: All submission types require a 300-500 word abstract in the first instance, to be received by **10 December 2010** Please read the guidelines at

<http://academic-conferences.org/abstract-guidelines.htm>

Submission: Only accepted by [online form](#) submission at

<http://academic-conferences.org/eciw/eciw2011/eciw11-abstract-submission.htm>

Full paper: Only required for academic submissions once the abstract has been selected, no more than 5,000 words to be received by **3 February 2011**. Papers should be submitted as .doc or .rtf file attachments by email to the Conference Manager, [Julia Hawkins](#) (julia@academic-conferences.org).

All full papers will be double-blind reviewed by members of the conference committee to ensure an adequate standard, that the proposed subject of their abstract has been followed, that the paper is of a suitable length, the standard of English is adequate and the paper is appropriately referenced.

Important dates

Abstract submission deadline:	10 December 2010
Notification of abstract acceptance:	16 December 2010
Final copy of full paper due for review:	3 February 2011
Notification of paper acceptance (subject to any requested changes):	14 April 2011
Earlybird registration closes:	28 April 2011
Final paper submission (with changes):	12 May 2011
Final author registration date:	2 June 2011

The conference programme committee is currently being updated. Full details will be posted on the [conference website](#) as soon as they are confirmed.

This pdf is an abbreviated call for papers. The full call for papers can be found online at

<http://academic-conferences.org/eciw/eciw2011/eciw11-call-papers.htm>