



# ECIW 2010



## 9th European Conference on i-Warfare and Security University of Macedonia, Greece 1-2 July 2010

**Programme Co-Chair: Josef Demergis**, University of Macedonia, Thessaloniki, Greece

**Programme Co-Chair: Marios Efthymiopoulos**, Strategy International, Thessaloniki, Greece

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

The Ninth European Conference on Information Warfare and Security (ECIW 2010) 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. This conference is continuing to establish itself as a key event for individuals working in the field from around the world. The advisory group for the conference invites submissions of papers on both the theory and practice of all aspects of Information Warfare and Security. The conference in July 2009 is seeking qualitative, experience based and quantitative papers as well as case studies and reports of work in progress from academics, Information systems practitioners, consultants and government departments. Topics may include, but are not limited to:

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

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

#### Research in Progress

Researchers may submit current projects whilst they are still in progress.

### Case Study Submissions

Case study submissions should be written to publishable standards.

### Practitioner Contributions

The conference committee welcomes contributions from individuals and organisations working in the field. These contributions can take the form of a presentation or a demonstration.

### Poster Submissions

Posters provide an opportunity for researchers to present their work in an informal setting in which there is more time for discussion and questions than is sometimes available in a full paper session. This track is an ideal forum for the presentation of work in progress. Poster submissions are welcomed in any of the areas identified in the call for papers.

### Round Table Proposals

The Programme Committee invites topical subjects to be proposed for discussion.

### Publication Opportunity

Papers accepted for the conference will be published in the conference proceedings, subject to author registration. The proceedings for this conference are listed in the Thomson Reuters ISI Index to Scientific and Technical Proceedings (ISTP/ISI Proceedings), the Thomson Reuters ISI Index to Social Sciences & Humanities Proceedings (ISSHP) and the Thomson Reuters ISI Index to Social Sciences & Humanities Proceedings (ISSHP/ISI Proceedings).

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

### Submission details:

**Abstract details:** All submission types require an abstract in the first instance. The Abstract should be a minimum of 300 and no more than 500 words including up to five keywords and keyphrases to be received by **10 December 2009**. Please read the abstract guidelines section of the website before submitting.

**Submission:** Online at <http://academic-conferences.org/eciw/eciw2010/eciw10-abstract-submission.htm>  
Please ensure that you complete all relevant sections of the form, including the conference track the abstract is intended for, the proposed title for the paper, the full names (first name and surname, not initials) and email addresses of all authors and a postal address and telephone number for at least one contact author. Please indicate clearly if the contact author is not the lead author.

**Full paper:** Only required for academic submissions to main conference streams or mini tracks once the abstract has been selected and not to be more than 5,000 words including abstract, keywords and references (the Harvard referencing rules need to be followed). Submission date will be no later than **28 January 2010**. Papers should be submitted as .doc or .rtf file attachments by email to the Conference Manager, [Elaine Hayne](mailto:elaine.hayne@academic-conferences.org) at [elaine.hayne@academic-conferences.org](mailto:elaine.hayne@academic-conferences.org)

### Important information:

The selection panel of the conference committee will consider all abstracts received by the submission deadline to ensure that the proposed paper is relevant to the Conference. The authors of abstracts, which describe a relevant paper, will receive a notification of abstract acceptance. All full papers will be 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, that the standard of English is adequate and that the paper is appropriately referenced. Papers that are accepted will be published in the conference proceedings providing at least one author registers and presents the work at the Conference (see the registration section of the conference website for more information about registration). Due to the large number of papers expected for this conference, the committee only allows an author to present one paper. Therefore if multiple papers are accepted for presentation different co-authors need to present each paper.

### Important dates:

|                                      |                         |
|--------------------------------------|-------------------------|
| Abstract submission deadline:        | <b>10 December 2009</b> |
| Notification of abstract acceptance: | <b>17 December 2009</b> |
| Full paper due for review:           | <b>28 January 2010</b>  |
| Notification of paper acceptance:    | <b>8 April 2010</b>     |
| Earlybird registration closes:       | <b>22 April 2010</b>    |
| Final paper due (with any changes):  | <b>6 May 2010</b>       |
| Final author registration date:      | <b>27 May 2010</b>      |

### Conference Executive

Josef Demergis, University of Macedonia, Thessaloniki, Greece  
Marios Efthymiopoulos, Strategy International, Thessaloniki, Greece  
Professor Aki Huhtinen, Finnish Defence Forces, Finland  
Dr Andy Jones, British Telecom, UK and Edith Cowan University, Australia  
Dr Iain Sutherland, University of Glamorgan, UK  
Edwin Leigh Armistead, Edith Cowan University, Australia

### Committee Members

The conference programme committee consists of key people in the information systems, information warfare and information security communities around the world. The following people have confirmed their participation:

Leigh Armistead (Edith Cowan University, Australia); Colin Armstrong (Curtin University, Australia, Australia); Debi Ashenden (Cranfield University, Shrivenham, UK); Maumita Bhattacharya (Charles Sturt University, Australia); John Biggam (Glasgow Caledonian University, UK); Andrew Blyth (University of Glamorgan, UK); Martin Botha (South African Police, South Africa, South Africa); Svet Braynov (University of Illinois at Springfield, USA); Bill Buchanan (Napier University, UK); Catharina Candolin (Defence Command Finland, Finland); Maura Conway (Dublin City University, Ireland); Michael Corcoran (DSTL, UK); Paul Crocker (Universidade de Beira Interior, Portugal); Geoffrey Darnton (Bournemouth University, UK); Paul Dowland (University of Plymouth, UK); Marios Efthymiopoulos (Political Science Department University of Cyprus, Cyprus); Ramzi El-Haddadeh (Brunel University, UK); John Fawcett (University of Cambridge, UK); Eric Filiol (Ecole Supérieure en Informatique, Electronique et Automatique, France); Chris Flaherty (University of New South Wales, Australia); Steve Furnell (University of Plymouth, UK); Javier Garcí'a Villalba (Universidad Complutense de Madrid, Spain); Kevin Gleason (KMG Consulting, MA, USA); Stefanos Gritzalis (University of the Aegean, Greece); Julio Cesar Hernandez Castro (Portsmouth University, UK); Ulrike Hugl (University of Innsbruck, Austria); Aki Huhtinen (National Defence College, Finland); Bill Hutchinson (Edith Cowan University, Australia); Berg Hyacinthe ( Assas School of Law-CERSA-CNRS, La Sorbonne, France); Hamid Jahankhani (University of East London, UK); Helge Janicke (De Montfort University, UK); Andy Jones (BT, UK); James Joshi (University of Pittsburgh, USA); Nor Badrul Anuar Jumaat (University of Malaya, Malaysia); Maria Karyda (University of the Aegean, Greece); Auli Keskinen (National Defence College, Finland); Jyri Kivimaa (Cooperative Cyber Defence and Centre of Excellence, Tallinn, Estonia); Spyros Kokolakis (University of the Aegean, Greece); Theodoros Kostis (University of the Aegean, Greece); Prashant Krishnamurthy (University of Pittsburgh, USA); Dan Kuehl (National Defense University, Washington DC, USA); Peter Kunz (DiamlerChrysler, Germany); Pertti Kuokkanen (University of Helsinki, Finland); Takakazu Kurokawa (National Defence Academy, Japan); Rauno Kuusisto (Finish Defence Force, Finland); Tuija Kuusisto (Internal Security ICT Agency HALTIK, Finland); Michael Lavine (John Hopkins University's Information Security Institute, USA); Martti Lehto (National Defence University, Finland); Tara Leweling (Naval Postgraduate School, Pacific Grove, USA); Paul Lewis (technology strategy board, UK); Sharman Lichtenstein (Deakin University, Australia); David Llamas (University of St Andrews, UK); Mario Marques Freire (University of Beira Interior, Covilhã, Portugal); Keith Martin (Royal Holloway, University of London, UK); Rob McCusker (Teeside University, Middlesbrough, UK); Don Milne (Buckinghamshire Chilterns University, UK); Durgesh Mishra (Acropolis Institute of Technology and Research, India); Yonathan Mizrahi (University of Haifa, Israel, Israel); Edmundo Monteiro (University of Coimbra, Portugal); Evangelos Moustakas (Middlesex University, London, UK); Kara Nance (University of Alaska Fairbanks, USA); Rain Ottis (Cooperative Cyber Defence Centre of Excellence, Estonia); Juhani Paavilainen (University of Tampere, Finland); Tim Parsons (Selex Communications, UK); Andrea Perego (Università degli Studi dell'Insubria, Varese, Italy); Michael Pilgermann (University of Glamorgan, UK); Fred Piper (Royal Holloway, University of London, UK); Engur Pisirici (governmental - independent, Turkey); Jari Rantapelkonen (National defense University, Finland); Andrea Rigoni (for Booz & Company,, USA); Raphael Rues (DigiComp Academy, Switzerland); Filipe Sa Soares (University of Minho, Portugal); Henrique Santos (University of Minho, Portugal); Damien Sauveron (Mathematics and Computer Sciences, University of Limoges, France); Richard Sethmann ( University of Applied Sciences Bremen, Germany); Paulo Simoes (University of Coimbra, Portugal); Jill Slay (University of South Australia, Australia); Anna Squicciarini (University of Milano, Italy); Iain Sutherland (University of Glamorgan, Wales, UK); Jonas Svava Iversen (Danish Broadcast Corporation, Denmark); Sérgio Tenreiro de Magalhães (Universidade Católica Portuguesa, Portugal); Peter Trommler (Georg Simon Ohm University Nuremberg, Germany); Theodore Tryfonas (University of Bristol, UK); Craig Valli (Edith Cowan University, Australia); Rudi Vansnick (Internet Society, Belgium); Richard Vaughan (General Dynamics UK Ltd, United Kingdom); Stilianos Vidalis (Newport Business School, Newport, UK); Paulo Viegas Nunes (Military Academy, Lisbon, Portugal); Teemupekka Virtanen (Helsinki University of Technology, Finland); Marja Vuorinen (University of Helsinki, Finland); Michael Walker (Vodafone, UK); Mat Warren (Deakin University, Australia, Australia); Kenneth Webb (Edith Cowan University, Australia); Peter Wild (Royal Holloway, University of London, UK); Trish Williams (Edith Cowan University, Australia); Tom Wilsdon (University of South Australia, Australia); Simos Xenitellis (Royal Holloway University, London, UK); Omar Zaafrany (Ben-Gurion University of the Negev, Israel); Omar Zakaria (Department of Computer & System Technology, Faculty of Computer Science & Information Technology, University of Malaya, Malaysia);

This call for papers can be accessed online at

<http://www.academic-conferences.org/eciw/eciw2010/eciw10-home.htm>