



ECIW 2008



7th European Conference on Information Warfare and Security University of Plymouth, UK 30 June -01 July 2008

Conference Chair: Steven Furnell, University of Plymouth, UK

Programme Chair: Debi Ashenden, Cranfield University, UK

Keynote Speaker: Jeremy Ward, Symantic UK

Can Europe ever make a difference to global cybersecurity?

CALL FOR PAPERS, WORKSHOPS AND TUTORIALS

The Seventh European Conference on Information Warfare and Security (ECIW 2008) 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 June/July 2008 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; Cyber-terrorism; 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.

In addition to the main conference, submissions are welcomed to four mini tracks: **Data Surveillance**, chaired by Henrique Santos, University of Minho, Portugal; **Information Age War Propaganda**, chaired by

Jari Rantapelkonen, Finnish Defence Forces, Finland; **The human/social aspects of psychological operations and their civilian and military impact**, chaired by Andy Jones, BT, UK and Edith Cowan University, Australia and *The resilience and susceptibility of "Service Oriented Architectures" (SOA's)*, chaired by Tim Parsons, BAE Systems, UK.

Further details of these mini tracks can be found at
<http://academic-conferences.org/eciw/eciw2008/eciw08-minitrack.htm>

Submission details

Abstract details: The Abstract should be a minimum of 300 and no more than 500 words including keywords to be received by **10 December 2007 (extended until 7 January 2008)**. Please read the [Abstract Guidelines](#) section of the website before submitting.

Submission: Online via the online [submission form](#) at <http://academic-conferences.org/eciw/eciw2008/eciw08-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 after acceptance of abstract and not to be more than 5,000 words including abstract, keywords and references. Submission date will be no later than **28 January 2008**. Papers should be submitted as .doc or .rtf file attachments by email to the Conference Manager, Elaine Hayne.

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 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. 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. Author registration must be completed by 2 June 2008.

Important dates

<i>Abstract submission deadline:</i>	10 December 2007 (extended until 7 January 2008)		
<i>Notification of abstract acceptance:</i>	17 December 2007		
<i>Full paper due for review:</i>	28 January 2008	<i>Notification of paper acceptance:</i>	7 April 2008
<i>Final paper due (with any changes):</i>	5 May 2008	<i>Author registration closes:</i>	26 May 2008

For operational reasons we have had to alter the submission dates for this conference. However, as we are aware that a considerable amount of literature was in circulation before we did this we will honour all submissions that arrive by the original dates (21 January for Abstracts and 10 March for papers). We would ask that you strive to meet the new dates as these have been arranged to allow a longer paper review period which we hope will give authors more time to arrange travel and registration after receiving reviewer feedback.

Conference Executive

[Debi Ashenden](#), Cranfield University, UK
[Dr John Biggam](#), Glasgow Caledonian University, UK
[Dr Andrew Blyth](#), University of Glamorgan, Wales, UK
[Dr Paul Dowland](#), University of Plymouth, UK
[Professor Steven Furnell](#) University of Plymouth, UK
[Professor Aki Huhtinen](#), Finnish Defence Forces, Finland
[Dr Andy Jones](#), British Telecom, UK and Edith Cowan University, Australia
[Dr Maria Papadaki](#), University of Plymouth
[Tim Parsons](#), BAE Systems, UK
[Dr Jari Rantapelkonen](#), Finnish Defence Forces, Finland

[Dr Henrique Santos](#), University of Minho, Portugal

[Dr Jill Slay](#), University of South Australia

[Dr Iain Sutherland](#), University of Glamorgan, UK

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:

- Abiola Abimbola, (Napier University, Scotland, UK)
Gail-joon Ahn, (University of North Carolina at Charlotte, USA)
Muhammad Arif, (Allama Iqbal Open University, Lahore, Pakistan)
Leigh Armistead, (Edith Cowan University, Australia)
Colin Armstrong, (Curtin University, Australia)
Debi Ashenden, (Cranfield University, UK)
Eelke Bakker, (Ministry of the Interior and Kingdom Relations, The Netherlands)
Richard Baskerville, (Georgia State University, USA)
Elisa Bertino, (CERIAS, Purdue University, USA)
Maumita Bhattacharya, (Charles Sturt University, Australia)
John Biggam, (Glasgow Caledonian University, UK)
- Andrew Blyth, (University of Glamorgan, UK)
Svet Braynov, (University of Illinois at Springfield, USA)
Bill Buchanan, (Napier University, UK)
Catharina Candolin, The Finnish Defence Forces, Oy, Finland
- Rodney Clare, (EDS and Open University, UK)
Maura Conway, (Dublin City University, Ireland)
Michael Corcoran, (DSTL, UK)
Geoffrey Darnton, (Bournemouth University, UK)
Dorothy Denning, (Naval Postgraduate School, USA)
Marios Efthymiopoulos, (Special Envoy of the Hellenic Foreign Ministry to NATO, Italy)
Mamzi El-Haddadeh, Brunel University, UK
Jean-Noel Ezingear, (Kingston University, UK)
John Fawcett, (University of Cambridge, UK)
Steven Furnell, (University of Plymouth, UK)
Javier Garcia Villalba (Complutense University of Madrid, Spain)
Kevin Gleason, (KMG Consulting, USA)
[Stefanos Gritzalis](#), (University of the Aegean, Greece)
- Barry Horne, (QinetiQ TIM, UK)
Ulrike Hugel, (University of Innsbruck, Austria)
[Aki Huhtinen](#), (Finnish Defence Forces, Finland)
Bill Hutchinson, (Edith Cowan University, Australia)
Hamid Jahankhani, (University of East London, UK)
Helge Janicke, De Montford University, UK
- Andy Jones, (British Telecom, UK)
James Joshi, (University of Pittsburgh, USA)
Maria Karyda, (University of the Aegean, Greece)
Auli Keskinen, (National Defence College, Finland)
Spyros Kokolakis, (University of the Aegean, Greece)
Prashant Krishnamurthy, (University of Pittsburgh, USA)
Dan Kuehl, (National Defence University, USA)
Peter Kunz, (DaimlerChrysler, Germany)
- Pertti Kuokkanen, (University of Helsinki, Finland)
- Takakazu Kurokawa, (National Defence Academy, Japan)
- Rauno Kuusisto, (Finnish Defence Forces, Finland)
Tuija Kuusisto, (Finnish Defence Forces, Finland)
Thomas Lauer, (Oakland University, USA)
- Michael Lavine, (John Hopkins University, USA)
Martti Lehto, FiAF, Finland
Tara Leweling, (Naval Postgraduate School, USA)
Paul Lewis (Technology Strategy Board, UK)
- Sharman Lichtenstein, (Deakin University, Australia)
Bill Martin, (RMIT University, Australia)
Keith Martin, (Royal Holloway, University of London, UK)
Eduardo Medina, (Universidad de Castilla-La Mancha, Spain)
Don Milne, (Buckinghamshire Chilterns University, UK)
Yonathan Mizrahi, (University of Haifa, Israel)
Evangelos Moustakas, (Middlesex University, UK)
Dan Ophir (Academic College of Judea and Samaria, Israel)
Juhani Paavilainen, (University of Tampere, Finland)
Maria Papadaki, (University of Plymouth, UK)
Tim Parsons, (BAE Systems, UK)
Michael Pilgermann, (University of Glamorgan, UK)
Fred Piper, (Royal Holloway, University of London, UK)
Jari Rantapelkonen, (Finnish Defence Forces, Finland)
- Raphael Rues, (Digicomp Academy, Switzerland)
[Henrique Santos](#), (University of Minho, Portugal)
Jill Slay, (University of South Australia)
Iain Sutherland, (University of Glamorgan, Wales, UK)
Jonas Svava Iversen, (Danish Broadcasting Corporation, Denmark)
Phil Taylor, (University of Leeds, UK)
Sérgio Tenreiro de Magalhães (Universidade Católica Portuguesa, Portugal)
Theodore Tryfonas, (University of Glamorgan, UK)
Patrick Tyrell, (Royal Navy (retired), UK)
Craig Valli, (Edith Cowan University, Australia)
Rudi Vansnick, (Internet Society, Belgium)
Stilianos Vidalis, (Newport Business School, UK)
Teemupekka Virtanen, (Ministry of Health and Social Affairs, Finland)
Marja Vuorinen, (University of Helsinki, Finland)
Michael Walker, (Vodafone, UK)
Mat Warren, (Deakin University, Australia)
Kenneth Webb, (Edith Cowan University, Australia)
Peter Wild, (Royal Holloway, University of London, UK)
Patricia Williams, (Edith Cowan University, Australia)
Tom Wilsdon, (University of South Australia)
Simos Xenitellis, (Royal Holloway, University of London, UK)
Omar Zaafrany (Ben Gurion University of the Negev, Israel)
Omar Zakaria, (University of Malaya, Malaysia)

Further information on this conference is available at

<http://www.academic-conferences.org/eciw/eciw2008/eciw08-home.htm>

Enquiries should be addressed to Elaine.hayne@academic-conferences.org