



ICIW 2010
5th International Conference on
Information Warfare and Security
Air Force Institute of Technology
Wright-Patterson Air Force Base
Dayton, Ohio, USA



Conference Chair: **Michael Grimaila, Center for Cyberspace Research, WPAFB, Ohio, USA**
Programme Chair: **Leigh Armistead, Edith Cowan University, Australia**

CALL FOR PAPERS, WORKSHOPS AND TUTORIALS

Information warfare and computer security are at the forefront of modern defence Cyber Strategies. Strong strands of research and interest 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 in addition to the offensive areas associated with information operations such as perception management and strategic communications. The International Conference on Information Warfare and Security (ICIW) offers an opportunity for academics, practitioners and consultants from the US, North America and elsewhere who are involved in the study, management, development and implementation of systems and concepts related to information warfare or are interested in ways to improve information systems security, to come together and exchange ideas. 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 March 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, Adversarial Learning and planning; Anonymous Routing; Anti-Forensics; Biometrics; Botnets; Business Continuity Planning; Coordination Theory; Corporate Defence Mechanisms; Cryptography; Cyber-Terrorism; Damage Assessment; Deception, Reactive and Proactive; Denial of Service; Differential Power Analysis (DPA) Attacks; Disaster Recovery; e-Intelligence/Counter-Intelligence; Electro-magnetic pulse weapons; Ethical, Political and Social Issues relating to Information Warfare; Geospatial Security; Hacking; Homeland Security; HoneyNet countermeasures; Information Assurance; Information Operations; Information warfare and Security Education; Information Warfare policy; Strategic Communications; Perception Management; Information Warfare techniques; Information Warfare theory; Information, computer and network security; Infra-Structure warfare; Critical Infrastructure Protection; Intrusion Detection; Insider Threat; IS027001 ISM3 Security Management Maturity; Legal issues concerned with information warfare and e-Crime; Malware; National security policy; OODA Loop; Petri Nets; Perception management; Physical security; Proliferation Security Initiative (PSI); Risk analysis and assessment; Security Education; Security for small to medium enterprises; Security Policy; Vulnerability Assessments.

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.

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.



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.

Submission requirements

- An abstract describing the work to be presented should be submitted in accordance with the [submission details](#) above. Be sure to select Practitioner Contribution as the submission type.
- Practitioner abstracts will be reviewed by the programme committee. Reviewers will be asked to consider the appropriateness of the work for presentation at the conference.
- Authors of selected presentations will have their abstract included in the booklet of abstracts given to participants at the conference.
- At least one person must register for the conference to give the presentation.

Product Demonstrations:

Submit a proposal of 200-300 words describing a product you wish to demonstrate and the audience it serves.

Proposals should be sent as email attachments to Sue Nugus (sue@academic-conferences.org).

Demonstrations themselves are expected to be approximately 15 minutes in length.

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 **17 September 2009**. Please read the online guidelines at <http://academic-conferences.org/iciw/iciw2010/iciw10-author-guide.htm>

Submission: Via the online submission form at <http://academic-conferences.org/iciw/iciw2010/iciw10-abstract-submission.htm>
Please ensure that all required fields are completed. Abstracts must include the proposed title for the paper, the full names (first name and surname, not initials); postal addresses and email addresses of all authors and a 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 **5 November 2009**. Papers should be submitted as .doc or .rtf file attachments by email to the conference manager, Julia Hawkins, at Julia@academic-conferences.org

Important information:

- The selection panel of the conference committee will consider all paper abstracts received by the submission deadline to ensure that the proposed paper is relevant to the Conference.
- The authors of abstracts that describe a relevant paper will receive a notification of abstract selection.
- All submissions for demonstrations will be reviewed by the conference organisers to ensure that the proposed demonstration is likely to be of interest to the conference participants.
- 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.
- For authors whose first language is not English we request that you have your work proof read prior to submission by a native English speaker (or at least a fluent English speaker). Papers can be rejected due to a poor standard of English.
- 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:	17 September 2009
Notification of abstract acceptance:	24 September 2009
Full paper due for review:	5 November 2009
Notification of paper acceptance(with any requested changes):	14 January 2010
Earlybird registration closes	1 February 2010
Final paper due:	15 February 2010
Final author registration date	4 March 2010



Conference Executive:

[Michael Grimaila](#), Center for Cyberspace Research, WPAFB, Ohio, USA

[Edwin Leigh Armistead](#), Edith Cowan University, Australia

[Robert Mills](#), Air Force Institute of Technology, WPAFB, Ohio, USA

[Rusty Baldwin](#), Air Force Institute of Technology, WPAFB, Ohio, USA

[Barry Mullins](#), Air Force Institute of Technology, WPAFB, Ohio, USA

[Gilbert Peterson](#), Air Force Institute of Technology, WPAFB, Ohio, USA

[Dorothy Denning](#), Naval Postgraduate School, Monterey, CA, USA

[Andy Jones](#), Security Research Centre, BT, UK and Edith Cowan University, Australia

[Corey Schou](#) Idaho State University, USA

[Doug Webster](#), MITRE Corporation - United States Strategic Command's Global Innovation & Strategy Center

[Kevin Streff](#), Dakota State University, USA

Program Committee

Lt Col [Jeffrey Humphries](#), Air Force Institute of Technology, WPAFB, Ohio, USA

Lt Col [Todd McDonald](#), Air Force Institute of Technology, WPAFB, Ohio, USA

Lt Col [Stuart Kurkowski](#), Air Force Institute of Technology, WPAFB, Ohio, USA

Maj [Todd Anandel](#), Air Force Institute of Technology, WPAFB, Ohio, USA

Maj [Eric Trias](#), Air Force Institute of Technology, WPAFB, Ohio, USA

[Dennis Strouble](#), Air Force Institute of Technology, WPAFB, Ohio, USA

[Juan Lopez](#), Air Force Institute of Technology, WPAFB, Ohio, USA

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:

Jim Alves-Voss (University of Idaho, USA); Todd Anandel (Air Force Institute of Technology, USA); Leigh Armistead (Edith Cowan University, Australia); Johannes Arreyambi (University of East London, UK); Rusty Baldwin (Air Force Institute of Technology, USA); [Richard Baskerville](#) (Georgia State University, USA); Allan Berg (Critical Infrastructure and Cyber Protection Center, Capitol College, USA); [Sviatoslav Braynov](#) (University of Illinois, USA); Blaine Burnham (University of Nebraska, Omaha, USA); Catharina Candolin (Finnish Defence Forces, Helsinki, Finland); Rodney Clare (EDS and the Open University, UK); Nathan Clarke (University of Plymouth, UK); Geoffrey Darnton, (University of Bournemouth, UK); [Dipankar Dasgupta](#) (Intelligent Security Systems, USA); Dorothy Denning (Naval Postgraduate School, USA); Glenn Dietrich (University of Texas, USA); David Fahrenkrug (US Air Force, USA); Kevin Gleason (KMG Consulting, MA, USA); [Sanjay Goel](#) (University at Albany, USA); Michael Grimaila (Air Force Institute of Technology, Ohio, USA); Daniel Grosu (Wayne State University, USA); [Drew Hamilton](#) (Auburn University, USA); Dwight Haworth (University of Nebraska at Omaha, USA); Philip Hippensteel (Penn State University, USA); Jeffrey Humphries (Air Force Institute of Technology, USA); Bill Hutchinson (Edith Cowan University, Australia); Berg P Hyacinthe (Assas School of Law, Universite Paris, France); Andy Jones (British Telecom, UK); James Joshi (University of Pittsburgh, USA); Leonard Kabeya Mukeba (Kigali Institute of Science and Technology, Rwanda); Prashant Krishnamurthy (University of Pittsburgh, USA); Dan Kuehl (National Defense Forces, USA); Stuart Kurkowski (Air Force Institute of Technology, USA); Takakazu Kurokawa (National Defense Academy, Japan); Rauno Kuusisto (National Defence College, Finland); Tuija Kuusisto (Internal Security ICT Agency, Finland); Arun Lakhota (University of Louisiana Lafayette, USA); Sam Liles (Purdue University Calumet, USA); Cherie Long (Clayton State University, Decatur, USA); Brian Lopez (Lawrence Livermore National Laboratory); Juan Lopez (Air Force Institute of Technology, USA); Bin Lu (West Chester University, USA); Bill Mahoney (University of Nebraska, USA); John McCarthy (Buckinghamshire and Chiltern University College, UK); J Todd McDonald (Air Force Institute of Technology, USA); Robert Mills (Air Force Institute of Technology, Ohio, USA); Don Milne (Buckinghamshire and Chiltern University College, UK); Srinivas Mukkamala (New Mexico Tech, Socorro, USA); Barry Mullins (Air Force Institute of Technology, USA); Andrea Perego (Università degli Studi dell'Insubria, Italy); Gilbert Patterson (Air Force Institute of Technology, USA); Richard Raines (Air Force Institute of Technology, USA); Ken Revett (University of Westminster, UK); Neil Rowe (US Naval Postgraduate School, USA); Julie Ryan (George Washington University, USA); Corey Schou (Idaho State University, USA); Dan Shoemaker (University of Detroit Mercy, USA); William Sousan (University of Nebraska, Omaha, USA); [Kevin Streff](#) (Dakota State University, USA); Eric Trias (Air Force Institute of Technology, USA); [Doug Twitchell](#) (Illinois State University, USA); Renier van Heerden (CSIR, Pretoria, South Africa); Stylianos Vidalis (Newport Business School, UK); Fahad Waseem (University of Northumbria, UK); Kenneth Webb, Edith Cowan University, Australia); Douglas Webster (USSTRATCOM Global Innovation & Strategy Center, USA); Zehai Zhou (Dakota State University, USA).

This call for papers and further information about the conference can be found at:

<http://academic-conferences.org/iciw/iciw2010/iciw10-call-papers.htm>

