



Fifth IEEE Symposium on Computational Intelligence for Security and Defense Applications

Creating Intelligent Surveillance

Ottawa, Canada, 11-13 July 2012

*Sponsored by the IEEE Computational Intelligence Society (CIS)
Technically Co-Sponsored by the IEEE Ottawa Section, IEEE Computer
Society Ottawa Chapter and the IEEE CIS Ottawa Chapter*

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TO BE ANNOUNCED

Given the current global security environment, there has been increased interest within the security and defense communities in novel techniques for solving challenging problems. The genesis of this interest lies in the fact that repeated attempts of using traditional techniques have left many important problems unsolved, and in some cases, not addressed. New problems have emerged within the broad areas of security and defense that are difficult to tackle with conventional methods, thus requiring new techniques for detecting and adapting to emerging threats. The purpose of the symposium is to present current and ongoing efforts in computational intelligence (e.g., neural networks, fuzzy systems, evolutionary computation, swarm intelligence, and other emerging learning or optimization techniques) as applied to security and defense problems. The problem domains of interest for this symposium include, but are not limited to the following:

Advanced Architectures for Defense Operations	Modeling and Simulation of Defense Operations	Security Applications
<ul style="list-style-type: none"> Multi-Sensor Data Fusion Employment of Autonomous Vehicles Intelligence Gathering and Exploitation Mine Detection Situation Assessment Automatic Target Recognition Mission Weapon Pairing and Assignment Sensor Cueing and Tasking 	<ul style="list-style-type: none"> Logistics Support Mission Planning and Execution Resource Management Course of Action Generation Models for War Games Multi-Agent Based Scenarios Strategic Planning Human Modeling: Behavior, Emotion, Motion 	<ul style="list-style-type: none"> Surveillance Suspect Behavior Profiling Automated handling of dangerous situations or people in a security application Stationary or Mobile Object Detection, Recognition and Classification Air, Maritime & Land Security Network Security, Biometrics Security and Authentication Technologies

SUBMIT FULL PAPERS BY MARCH 19, 2012

Prospective authors are invited to submit papers of up to eight (8) pages including results, figures and references. Authors should submit their papers as PDF through the online submission system, which will be available at the website <http://www.ieee-cisda.org>. All accepted papers will be included in the *IEEE CISDA 2012 Proceedings* and in *IEEE Xplore* if at least one author will register and pay the registration fee.

SUBMIT SPECIAL SESSION OR TUTORIAL PROPOSALS BY FEB. 20, 2012

CISDA 2012 also solicits proposals for special sessions and tutorials with the technical scope of the symposium, generally focusing on a special hot topic. Papers submitted to special sessions are to be peer reviewed with the same criteria used for the contributed papers. Researchers interested in organizing special sessions are invited to submit formal proposals to the Special Sessions Chair. A tutorial proposal should include title, outline, expected audience and presenter biography, and can be submitted to the Tutorials Chair.

IMPORTANT DATES

March 19, 2012: Submission of full paper
April 16, 2012: Notification of acceptance/rejection
May 14, 2012: Submission of final camera-ready manuscript