

# Special Session on Evolutionary Computation in Defence Applications

The 2007 IEEE Congress on Evolutionary Computation  
25-28 September 2007, Singapore



UNSW@ADFA  
CANBERRA • AUSTRALIA



Artificial Life and Adaptive Robotics Laboratory

## IMPORTANT DATES

*Paper Submission:*

**March 15th, 2007**

*Notification of acceptance/rejection:*

**May 15th, 2007**

*Camera-ready submission:*

**June 15th, 2007**

## CALL FOR PAPERS

Applying techniques of evolutionary computation to defence and security domain has recently received considerable attention from the research community with a tremendous demand for effective and robust solutions to defence and security problems.

This special session on Evolutionary Computation in Defence Applications (ECDA) seeks to bring together researchers from around the globe for a creative discussion on recent advances and challenges facing ECDA research. The special session on ECDA (<http://www.itee.adfa.edu.au/~alar/ecda07/>) is organized within CEC'2007 (<http://www.cec2007.org>).

We invite authors to submit their original and unpublished work that demonstrates current research and novel applications in ECDA. The special session will focus on evolutionary computation techniques for problems related to, but not limited to, the following topics:

- Red teaming
- War-gaming
- Mission planning
- Tactical decision making.
- Path-planning for agents in combat-simulated systems.
- Logistics and supply chain.
- Risk assessments.
- Data farming/mining/fusion.
- Network intrusion detection.
- Adaptive forces.
- Emergence in battlefield simulations.
- Surveillance.
- Information Operations.
- Network centric warfare.
- Unmanned Vehicles and Swarms

## PAPER SUBMISSION

Papers submitted for this session will be peer-reviewed with the same criteria used for other contributed papers. All accepted papers will be included in the published conference proceedings. The paper format of the conference is available on the website: <http://www.cec2007.org>. After the final decision is made, authors will receive a notification letter accompanied with the reports of the reviewers. All accepted papers will appear in the conference proceedings of CEC'2007 and at least one of the authors must register and attend to present his/her paper at CEC'2007. All papers will be submitted via CEC submission system. Please follow the instructions carefully to upload your papers. If you experience any difficulty, please feel free to contact us directly.

## ORGANIZERS

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<http://www.itee.adfa.edu.au/~z3055293> and

<http://www.itee.adfa.edu.au/~s3165516/>