

The Second Canadian Tracking and Fusion Group Workshop

11-13 April 2012, DRDC Ottawa

Canadian researchers and practitioners working on target tracking and sensor fusion for surveillance, with applications in civilian and defence domains, are invited to present their work describing advances, applications, and ideas. Presentations on all aspects of multi-target tracking and multi-sensor/multi-source information fusion, both theory and application, with submissions on both established and emerging topics, are encouraged. Accepted presentations will be included in the workshop CD. This workshop will also feature keynote speeches by distinguished experts in the field and new technology demonstrations by industry participants.

The Group:

The Canadian Tracking and Fusion Group (CTFG) is a group of professionals working in the field of target tracking and data fusion. Currently, there are over 70 members from government, industry, and academia. For more information about the group please visit its website at www.ctfg.ca. To join, please visit the Google Groups site referenced below.

Objectives:

Participation in the CTFG provides members from different sectors in Canada with a forum for discussing technologies that have a common relevance across many application domains, including land, air, space, maritime, underwater, cyber, etc. The discussions among various participants at the workshop will not only help exchange information on the state-of-the-art in Canada, but also foster collaboration among various groups working on tracking and fusion. Specifically, the objectives of the workshop are as follows: 1) discussing current topics of interest in various application areas; 2) understanding the needs of government and industry groups and linking them with the capabilities of university groups; 3) establishing sub-groups and benchmark problems to evaluate new and established technologies; and 4) identifying future directions for R&D in view of Canada's priorities.

Topics:

Unclassified presentations on any aspect of target tracking and data and information fusion for civilian and defence applications are acceptable. They may cover any aspect of target tracking and fusion, including, but not limited to, sensors, signal processing, detection, tracking, low-level fusion, high-level fusion, classification, resource management, information flow, performance evaluation, fusion architectures, decision systems, registration, software, data sets, benchmark problems, and data modeling.

Submissions:

Please submit a 300 to 400 word abstract of your 20 minute presentation to Garfield Mellema at garfield.mellema@drdc-rddc.gc.ca. Proposals for presentations on research, development, software demonstrations, experiments, benchmark problems, research collaborations and ideas on emerging problems are actively solicited. Proposals for extended panel discussions, tutorials, or demonstrations are also encouraged. Participation without presentation is also strongly welcomed.

Location:

DRDC Ottawa is at 3701 Carling Avenue in Ottawa. As this is a secure facility you will require a passport or equivalent ID when you arrive. If you are not a Canadian citizen, please let us know when you register.

Accommodation:

A block of rooms has been reserved at the Days Inn Ottawa West at a nightly rate of \$118. The hotel is at 350 Moodie Drive in Nepean, and can be reached at (613) 726-1717. A no-host dinner will be held on the first evening of the workshop.

Registration:

There is no fee for this workshop, but the number of participants is limited. Register by sending your name, phone number, email and postal addresses to Garfield Mellema at garfield.mellema@drdc-rddc.gc.ca. Please include your government, corporate or university affiliation. For more information, contact any of the organizers.

Organizers:

Garfield Mellema, DRDC Atlantic, garfield.mellema@drdc-rddc.gc.ca or (902) 426-3100 x252

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Important dates:

Submission of proposals: 20 January 2012; Decision on proposals: 30 January 2012; Final presentations: 30 March 2012.