CTFG Workshop 2018

CALL FOR PRESENTATIONS AND PARTICIPATION
The Eighth Canadian Tracking and Fusion Group (CTFG) Workshop
"Foundational, Technological, and Application-Focused Innovations in Tracking, Data, Information, and Knowledge Fusion"

15-16 October 2018, Les Suites Hotel, Ottawa (Canada)

http://groups.google.ca/group/ctfg • **www.ctfg.ca**

Canadian researchers and practitioners working on target tracking and information fusion for augmenting situational awareness, with applications in civilian and defence domains, are invited to present their recent 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 established and emerging topics such as intelligent transportation 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.

The Group:
The Canadian Tracking and Fusion Group (CTFG) is a group of professionals working in the field of target tracking and information fusion. Currently, there are over 110 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 http://groups.google.ca/group/ctfg .

Objectives:
The CTFG workshop 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 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: 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. Also encouraged are presentations on emerging topics such as data-driven artificial intelligence, machine learning, and autonomous methodologies at both high-level and low-level data and information fusion.

Submissions:
Please submit your intention of submission via email with your affiliation and draft title of your presentation followed by a 300 to 400 word abstract of your 20 minute presentation to abstracts@ctfg.ca (see the important dates below). 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. Presenters will be given the option of submitting a paper to a special issue of the International Society of Information Fusion (ISIF) Journal of Advances in Information Fusion.

Important Dates:
- Abstract submission: **September 15, 2018**
- Notification: **September 22, 2018**
- Presentation submission: **October 13, 2018**
- Workshop : **October 15-16, 2018**

Important Information:
- The workshop will be held at the Les Suites Hotel (130 Besserer St, Ottawa, Ontario, K1N 9M9)
- The workshop is unclassified.
- There is no registration fee for the workshop but the number of participants is limited. To register, send an email to: registration@ctfg.ca indicating your full name, affiliation, email address and if you intend to make a presentation or not. Participation without presentation is also welcome.

Organizing Committee:
- **General Co-Chairs:** Melita Hadzagic, *OODA Technologies, Canada*, Steven Horn, *DRDC CORA, Canada*
- **Program Co-Chairs:** Thia Kirubarajan, *McMaster University, Canada,* Elisa Shahbazian, *OODA Technologies, Canada*
- **Fusion Co-Chairs:** Mihai Florea, *Thales Research and Technology (TRT) Canada*, Anne-Laure Jousselme, *NATO CMRE, Italy*
- **Tracking Co-Chairs:** Ratnasingham Tharmarasa, *McMaster University, Canada,* Bhashyam Balaji, *Carlton University, Canada*
- **Invited Session/Guest Speaker Chair:** Elisa Shahbazian, *OODA Technologies, Canada*
- **Special Event/Local Chair:** Zhen (Jack) Ding, *DRDC Ottawa, Canada*
- **Industry Co-Chairs:** Tony Ponsford, *Consultant, Canada,* Rami Abielmona, *Larus Technologies, Canada*
- **IEEE Liason:** Rafael Falcon, *Larus Technologies, Canada*