Call for Symposium Chairs

Within

Aerospace & Aeronautics Theme

www.dsr2011.org

Defence Science Research Conference and Expo (DSR 2011) is about research and applications in the field of science, innovation and technology that are specifically targeted at topics attributable to the advances within the defence industry. DSR 2011 will provide a platform for researchers and practitioners from all over the world to meet up and share their relevant experiences and knowledge. The primary objective is to enable researchers and practitioners working in similar areas to share their results within the limitations of unclassified research and developments. Through this event, we hope to enable interaction between the researchers and practitioners.

DSR-2011 will be held from 3 - 6 August 2011. This event is organized by the Mixed Reality Lab, National University of Singapore. This event is divided into its individual components: (a) The Conference; (b) Defence Technology Demo; & (c) The Expo (Industrial Exhibition).

The theme of DSR-2011 will be ***"Science and Innovation in the Brave New World"***. There are numerous challenges in developing defences, particularly medical sciences and technological countermeasures to address both biological and physical threats. If corresponding products or systems address only a particular agent, and have no other application, the cost of development and preparedness is enormously high in this new environment relative to the perceived benefit of having these tools at hand. Yet in a world where natural resources are getting scarce, every effort to minimise wastage is important. Thus, it is crucial to develop technological and medical solutions that are both effective and cost efficient.

We would like to invite proposals for symposium within each theme. Symposium within the Aerospace and Aeronautics Theme is intended to provide a forum for the discussion of a specific topic from the theme of the Defence Science Research Conference between an international group of researchers.

Each symposium should have at least 6 paper presentations. The symposium organiser will be responsible for promoting the symposia, reviewing and selecting the papers. Financial assistance for the symposium organiser will be limited to one fee waiver for the symposium chairperson. Papers accepted for Symposium will be published in the Conference Proceedings. The length of the mini-symposium will be a consecutive 90 minutes in length. Therefore, a recommended maximum number of presentation would be 6 presentation of 15 minutes each. Poster papers will be presented as a part of the main conference poster session. The conference is technically sponsored by IEEE and all accepted and presented papers will be indexed in IEEE Explore.

Information regarding paper submission as well as indexing and format can be found on:

http://www.dsr2011.org/index.php?option=com_content&view=article&id=55&Itemid=143

Defence Science Research Conference 2011

Please submit, in plain text, the following information to ivan@dsr2011.org:

- Title of the symposium
- Name, affiliation, mailing address and e-mail address of the proposer(s).
- Names of at least three Programme Committee members for the symposium
- A description of the topic of the session (not exceeding 100 words) plus a short description on how the session will be promoted so as to ensure a sufficiently wide range of authors.
- A description of how the symposium will contribute to the field of Defence Research.
- A brief introduction of the proposer, explaining his/her qualifications.
- Indicate in email subject that this submission is for the Aerospace and Aeronautics Theme.

Submission date for mini-symposium proposals: 15 July 2010
Notification date for accepted proposals: 20 July 2010

Theme Description: Aerospace & Aeronautics Theme

Aerospace is a core field fundamental to numerous aspects of defence sciences. One of the aspects of aerospace in defence covers aspects of technologies in current and future developments in manned as well as unmanned aircraft and terra vehicles for support, relief and supply. Furthermore, in the creation of automated system for diagnostics and anomaly detection that can be deployed in real-time and real-world scenarios. The development and manufacturing of a vehicle is extremely complex and demands careful balance and compromise between abilities, design, available technology and costs. Thus, successful development of aerospace in defence depends on the ability to taken into account aspects of system complexly, applicability, cost and if manned, interfaces with humans.

Under the Aerospace in Defence theme of this conference, the focus will be on sharing knowledge and achieving breakthrough performance in aerospace research, decision making and deployment. Topics of particular interest include, but not limited to:

* Diagnostics and Prognostics of Aircraft Systems
* Anomaly Detection from Aerospace Vehicles
* Risk Management
* Aircraft Safety
* Radar
* Sensor Networks
* Aerospace Design
* Defence Aerospace Systems
* Predictive Maintenance
* Robotic Telescopes

The Conference Secretariat

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