

AESS International Affairs/IEEE TAB Committee Report

Highlight of the activities

1- **International Symposium on Measurement and Control in Robotics (ISMCR'04), September 16-17, 2004**

Organized and attended ISMCR'05 as Executive Chairman. Topics included space application of robotics. Future ISMCR will welcome presentations on any of the aerospace applications of robotics as a part of the technical program. ISMCR'05 is scheduled for September '05 in Brussels, Belgium.

AESS membership will be contacted for their interest in writing AESS-based papers for this year's event.

2. **Sensors on Industry Conference SICON'05), Feb 8-10, 2005**

Organized SICON'05 conference as General Chairman. Two special plenary sessions were arranged on, a)MEMS and Nanotechnology and b) Integrated System Health Management (ISHM) and the future of space. ISHM is a key NASA project dealing with means of developing system maintenance processes.

AESS leadership was contacted for organizing prospective sessions in Sensors for Aerospace applications.

3. **International Aerospace Symposium**

Contacted organizers of ISA International Aerospace Symposium for possibility of organizing AESS-sponsored sessions at their future event. AESS membership will be contacted for their interest in writing AESS-based papers for future events. There will not be financial obligation for AESS.

4. **Recent Advances in Space Technology 2005 (RAST'05), June 2005, Istanbul**

As a member of Advisory Board of RAST'05, sponsored by AESS, I have publicized the event and helped with finding the prospective authors. Current status of the RAST'05 is attached.

5. **Region 9 Technical Committee**

Represented AESS interests in Region 9 technical committee as a member. Continued effort to form first AESS chapter in R9.

Respectfully Submitted

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February 25th, 2005

An Interim Report on RAST 2005

<http://www.hho.edu.tr/RAST2005/>

- A total of 237 abstracts have been received. Their review is in process. Due to the shortage of meeting rooms, only 140 of them can be accepted for oral presentations. Another 40-60 will be scheduled into poster sessions.
- In addition to the normal paper sessions, there will be 7 special sessions, the titles, the organizers and the number of papers of which are given below.

1. ***Energy from Space and Related Space Environmental Issues***, organized by: Shinohara Matsumoto and Umran Inan, Kyoto University, JAPAN, Stanford University, USA, No of Papers: 8
2. ***Postgraduate Space Education***, organized by: Chris Welch, Kingston University, UK, No of Papers:5
3. ***Remote Sensing-I Theory***, organized by: Orhan ALTAN, İTÜ, ISPRS, No of Papers: 3
4. ***Remote Sensing-II Applications***, organized by: Orhan ALTAN, İTÜ, ISPRS, No of Papers: 3
5. ***Student Satellite Projects***, organized by: Lars Alminde, Aalborg University, Denmark, No of Papers: 5
6. ***Responsive Space***, organized by: S. Pete Worden, Brig. Gen. (R), USA, No of Papers:6
7. ***Latest developments in forest fire risk management using EO and communication satellites: A complete approach including services, science, operational tools, provider centres, and customized user-end information systems***, organized by: Luis Jimenez-Tunon, INSA, No of Papers: 5

Therefore a total of 35 papers will be presented during special sessions.

- The confirmed plenary speakers of the conference are:
Ghassem Asrar (NASA, USA)
Joo-Jin Lee (KARI, South Korea)
Mark Garneau (CSA, Canada)
- The confirmed invited speakers of the conference are:
Jon Atli Benediktsson (Univ. of Iceland)
Haluk CETIN (Murray State Univ., US)
Ray Harris (Univ. College London, UK)
Wolfgang Kainz (Univ. of Vienna, Austria)
Wolfgang Koschel (DLR, Germany)
Rangnath Navalgund (NRSA, India)
Ammatzia Peled (Univ. of Haifa, Israel)
Gilbert Rochon (Purdue Univ., US)

S. "Pete" Worden (Ret. Gen., US)

As can be seen from above, RAST 2005 is going to be a very succesful conference. The organizer would like to thank AESS for the support extended.