

VP Technical Operations Report  
Paris France  
4 February 2011

Officers Meeting  
Theodora Saunders

# VP Technical Operations Report

## Officers Meeting 4 Feb 2011

Technical Panel	Chair/Co-Chair
Gyro and Accelerometer	Randall K. Curey (Chair)
Radar Systems	Michael C. Wicks (Chair)
Space Systems	Cosimo Stallo (Chair) Marina Ruggieri (Vice Chair)
Target Tracking Systems (New)	Hody Lambert
Aerospace Systems Integration Engineering	Barry Greenberg (Chair)
Aerospace Control & Guidance Systems	Gary Balas (Chair)
SAR and IED Detection	Mark Yeary
Aerospace Workforce (New)	Russell Lefevre (Chair) Theodora Saunders (Vice Chair)
Standards (New)	Rich Hochberg (Chair)
Cyberspace / Cyber Security Panel	Fred Wright (Chair)
UAV Panel	George Dean

<http://www.ieee-aess.org/main/index.php/technical-committies>

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- **Work Force TP Planned Activities**
  - **IEEE USA STEM Collaboration**
    - Workshop on Science, Technology, Engineering and Mathematics Enterprise (STEM): Economics Measures and Indicators
      - **STEM - Measures 2011 Conference Planning**
        - » STEM Planning Committee met on January 28
        - » IEEE AES TP Chair Participated via Teleconference
        - » **Looking for Keynote speakers**

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## Officers Meeting 4 Feb 2011

- **Standards TP** (*New Forming TP*)
  - **Proposed Chair:**
    - Richard C. Hochberg, Ph.D.  
IEEE Fellow  
Program Manager, Engineering & Scientific Solutions  
CSC National & Defense Programs
  - **Status**
    - Very busy no commitments yet from chair
      - *I offered to collaborate and leverage IEEE Sys Council similar activities*
      - *I am interested in the SE standards*

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- **Technical Co-Chair 2011 30<sup>th</sup> DASC conference** (*Theo*)
  - *Several Teleconferences for the Call for Papers*
  - *VISA Invitation Letter to Authors*



[http://dasconline.org/comm\\_list.shtml](http://dasconline.org/comm_list.shtml)

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## Officers Meeting 4 Feb 2011

- **2012 IEEE/AIAA 31<sup>st</sup> DASC Conference Chair** (*Theo*)
  - Started engaging Rotorcraft Volunteers
    - Trying to broaden the participation
    - **Responses not good so far**

*BoG Inputs Regarding Focus Of 2012 IEEE/AIAA 31<sup>ST</sup> DASC Conference  
Are Most Welcomed!!!*

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### IEEE AES Sponsored

### Senior Design Project Status

- **University Of Connecticut**
  - **Project** - Distributed Sensor Communications Aboard an Aircraft
  - **Department** - Electrical and Computer Engineering
  - **Faculty Coordinator:** Dr. John Chandy, Assoc. Dept. Head
  - **Status** – Money Received
  
- **University Of New Haven**
  - **Project** - Remote Piloting of an Unmanned Aerial Vehicle
  - **Department** - Electrical Computer Engineering & Computer Science
  - **Faculty Coordinator** - Dr. Christopher Martinez
  - **Status** - Money Received

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### Other Collaboration Activities

#### – IEEE Sys Council

- **SE Effectiveness Study Enhancement**
- Established interface with Stevens Institute to
  - Review and provide inputs to the BKCASE-SEBoK0.25
    - » **Completed 12/13/ 2010**
  - Coordinate input and review of a Graduate Reference Curriculum for Systems Engineering (GRCSE) with our member societies
    - » **In work Due 03/07/2011**



# **VP Technical Operations Report Officers Meeting 4 Feb 2011**

## **Ideas for Expanded Engagement Discussed In Fall 2010 Meeting**

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## Officers Meeting 4 Feb 2011

- **Proposal 1 (*In Work*)**

- Develop a plan to better **coordinate and engage local chapters** both **professional and student chapters**
  - Plan must be aligned/included in the strategic plan
  - We need to identify tactical activities
    - Engagement with local leadership
    - Combined meetings
    - Student projects

- **Proposal 2 (*Not Much Progress*)**

- Each TP and/or BoG member reach out to local IEEE community
  - Each member submit a plan in 2011 with milestones and concrete outcomes
    - Need to be included in the strategic plan

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### Engagement with Local Chapters

- **IEEE AES Connecticut (*Watch List, Almost Dissolved*)**
  - Stepped In to energize chapter
    - Coordinated with current chair for activities
      - Distinguished Lecture
        - » Planned for Paul; Offered to substitute
        - » **Plan was not implemented**
  - Proposed and Coordinated joint meetings w/IEEE student chapters
    - **Plan Implemented**
      - » Joint Meeting presentation took place on
      - » **Wednesday, November 17, 2010**
    - **SEE NEXT CHART**



IEEE AESS & Systems Council  
Connecticut Chapter  
and the University Of New Haven  
IEEE Students

Present:

The Fastest Helicopter on Earth

By

Thomas Lawrence

Technical Fellow and Handling Qualities Engineer  
X2 high speed demonstrator, Sikorsky Aircraft

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## Officers Meeting 4 Feb 2011

### Engagement with Local Chapters

- **Previous Motion 1 - Approved**

- Requested 5K for 1 or 2 projects in 2011 at **University Of New Haven**
  - The student project will be relevant to aerospace, and it will involve other disciplines
    - **Will promote Systems Engineering in Aerospace**
    - **1 Proposal with Milestones provided**
    - **UNH Project Approved**

- **Previous Motion 2 - Approved**

- Requested 5K for 1 or 2 projects in 2011 at **University Of Connecticut**
  - The student project will be relevant to aerospace, and it will involve other disciplines
    - **Will promote Systems Engineering in Aerospace**
      - » **New Systems Engineering program under EE**
    - **1 Proposal with Milestones provided**
    - **UConn Project Approved**

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- **Plans Under Way**

- Joint Meetings with local IEEE CT Student Chapters and Professional Societies
  - Spring 2011
- Plan to write a small article with pictures from the fall meeting for the Sys Magazine
- Other ideas/discussions?
  - Work with other TPs to reach and engage their local chapters