

VP Technical Operations Report
Atlanta Georgia
11 February 2010

Theodora Saunders

VP Technical Operations Report Outline

- **Technical Panels List**
 - 2009
 - 2010
- **Technical Panels Status**
- **Special Focus Status**
 - Workforce Panel
 - Aerospace Systems Integration Engineering *Panel (former Large Scale Systems Engineering Panel)* Collaboration With IEEE Sys Council
- **Go Ahead Plans and Actions**

VP Technical Operations Report

Technical Panels 2009

Technical Panel	Chairman	Email Address
Gyro and Accelerometer	Randall K. Curey	randall.curey@ngc.com
Radar Systems Panel	Michael C. Wicks	michael.wicks@rl.af.mil
Space Systems Panel	Marina Ruggieri	ruggieri@uniroma2.it
Target Tracking Systems Panel	Dale Blair	dale.blair@gtri.gatech.edu
Aerospace Systems Integration Engineering Panel	M. Barry Greenberg	BarryGreenberg@ieee.org
Aerospace Control & Guidance Systems	Gary Balas	balas@aem.umn.edu
SAR and IED Detection Panel	Mark Yeary	yeary@ou.edu
Aerospace Workforce Panel	Theodora Saunders	TSaunders@SIKORSKY.COM

IEEE AESS Technical Panels as of 11 Jan 2010

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Technical Panels 2010

Technical Panel	Chair/Co-Chair
Gyro and Accelerometer	Randall K. Curey (Chair) TBD (Vice Chair)
Radar Systems Panel	Michael C. Wicks (Chair) TBD (Vice Chair)
Space Systems Panel	Cosimo Stallo (Chair) Marina Ruggieri (Vice Chair)
Target Tracking Systems Panel	Dale Blair (Chair) TBD (Vice Chair)
Aerospace Systems Integration Engineering Panel	Barry Greenberg (Chair) TBD (Vice Chair)
Aerospace Control & Guidance Systems	Gary Balas (Chair) TBD (Vice Chair)
SAR and IED Detection Panel	Mark Yeary TBD (Vice Chair)
Aerospace Workforce Panel	Theodora Saunders (Chair) TBD (Vice Chair)
Standards Panel	Rich Hochberg (Chair) TBD (Vice Chair)

IEEE AESS Technical Panels as of 11 Feb 2010

Two New TPs and one existing TP with expanded scope through collaboration

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Technical Panels 2010 Summary Status

Technical Panel	2009 Report	2010 Objectives
Gyro and Accelerometer	Provided 2009 Objectives; need accomplishments Provided a list of standards the GAP is responsible for maintaining	In Work; Report in AESS BoG Spring 2010 Meeting
Radar Systems Panel	TBD	In Work; Report in AESS BoG Spring 2010 Meeting
Space Systems Panel	Provided re-organization for the leading roles (chair and co-chair)	In Work; Report in AESS BoG Spring 2010 Meeting
Target Tracking Systems Panel	Charter and Bylaws for the Target Tracking System Panel provided; found someone to lead the panel and more participants	In Work; Report in AESS BoG Spring 2010 Meeting
Aerospace Systems Integration Engineering Panel	Collaboration with IEEE Sys Council; See status report	In Work; Report in AESS BoG Spring 2010 Meeting
Aerospace Control & Guidance Systems	TBD	In Work; Report in AESS BoG Spring 2010 Meeting
SAR and IED Detection Panel	TBD	In Work; Report in AESS BoG Spring 2010 Meeting
Aerospace Workforce Panel	N/A (New) See status report	In Work; Report in AESS BoG Spring 2010 Meeting
Standards Panel	N/A (New)	In Work; Report in AESS BoG Spring 2010 Meeting

IEEE AESS Technical Panels as of 11 Feb 2010

***Need Completion of 2009 Reports; Completion of 2010 Objectives
Suggest Better Alignment In Planning and Reporting Timeline***

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Work Force Technical Panel Status

Aerospace Workforce Panel		Summary of Activities	2010 Objectives
Chair /Co-Chair	Theo Saunders Propose Ron Ogan co-chair	Draft Plan Developed; Via Jim Leonard, made connection with IEEE USA (<i>Bill Williams, Senior Legislative Representative IEEE-USA</i>); they expressed interest for AESS to participate in the ongoing STEM activities; potential opportunity for AESS to be a co-sponsor society for STEM Workshop 2011	Preliminary Objectives (In Work) include: Plan for a teleconference to discuss preliminary TP plan (Mission, Organization, Objectives) Finalize TP plan
People who expressed interest in participating	Russell Lefevre , Ph.D., FIEEE R. Sampath Section Chair for the Orange County, CA IEEE Section Paul Scott , Engineering Supervisor, Electric Boat Clark N. Taylor , PhD Assistant Professor Department of Electrical and Computer Engineering, Brigham Young University	Participated in a Teleconference for the STEM Workshop 2011 Planning Committee - Feb 3, Follow on Teleconference for the STEM Workshop Planning Committee Feb 11,	Present final plan at the AESS BoG Spring 2010 Meeting Provide input to update the Web Page Conduct initial meeting

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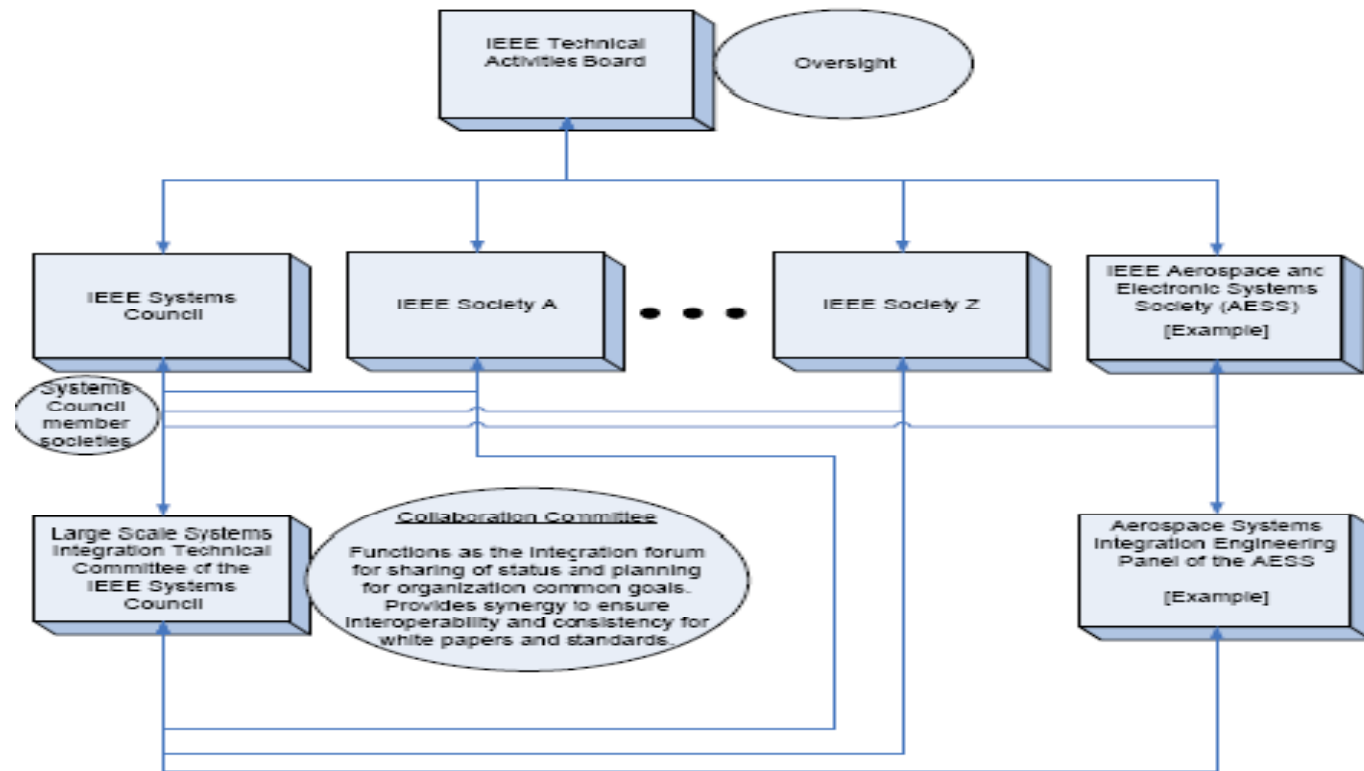
Aerospace Systems Integration Engineering Panel Status

- The Aerospace Systems Integration Engineering *Panel (former Large Scale Systems Engineering Panel)* Collaboration With IEEE Sys Council
 - Conference Call 11/6/2009; and 11/25/2009
 - Discussed the organizational structure of the Technical Panel as it relates to AESS and the Systems Council
 - Technical Panels will remain as currently functioning
 - » ***Aerospace Systems Integration Engineering Panel*** will operate under the Large Scale Systems Integration Technical Committee of IEEE Systems Council allowing the Committee to manage large scale systems integration issues with minimum overlap
 - TP Chair received no objections for the *Aerospace Systems Integration Engineering Panel* of the AESS

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Aerospace Systems Integration Engineering

Panel Status



Collaboration Pictorial View

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Aerospace Systems Integration Engineering

Panel Status

- Conference Call 11/03/2010
 - Purpose to find ways to further collaborate
 - The Systems Council formed the TC to perform Large Scale Integration. Smart Grid is of a complexity that falls within this scope.
 - » The P&E Society has taken the lead on bringing this all together, but there may still be some fragmentation.
 - » Therefore, the TC is offering itself as a collaboration forum
 - No input yet from teleconference outcome?

VP Technical Operations Report Go Ahead Plans and Action Items

- Identify names for TP co-chairs
 - Each Chair to suggest a name
 - Provide Full name and email to Theo (Due in 30 Days)
- Update a list of Chairs and Co-chairs
 - Need POC and email
 - Each TP Chair to provide the email of the chair and the co-chair to Theo (Due in 30 Days)
- Need remaining reports for the 2009
 - Each chair to provide their 2009 report (Due in 30 Days)
- Need 2010 Objectives
 - Each TP Chair to provide a list of planned Meetings; workshops or other activities planned for 2010 (Due in 45 Days for established TPs; 60 Days for new TPs)
 - *Identify deliverables*
 - *Identify any resource needs*