



ElectroScience
LABORATORY



URSI B Session Review

January 5-8, 2009

Boulder, Colorado

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TAC Committee

- Shanker Balasubramanian (Michigan State)
- Mike Jensen (Brigham Young Univ.)
- Hossein Mosallaei (Northeastern Univ.)
- Erdem Topsakal (Mississippi State Univ.)
- John Volakis (Ohio State Univ)

TAC Recommended Special Sessions

1. **Wearable/Implantable Sensors and Body Area Network (joint with K)**
Organizers: Erdem Topsakal and Yahya Ramhat Samii
2. **Novel Materials and Effects (Special Session BS1)**
Organizers: Hossein Mosallaei and Manos Tentzeris
3. Antennas in Waveform Diversity Systems (joint with Commission C)—**did not carry**
Possible organizers: Mike Jensen & Dimitris Psychoudakis
4. **Micro-/Nano-Electromagnetics and Meta-Devices**
Organizers: Engheta & Mosallaei & Ziolkowski
5. Emerging Computational EM ---**did not carry**
Possible organizers: Eric Michielssen and Shaker Balasubramanian
6. **Small Wideband and Low Frequency Apertures/Antennas**
Possible organizers: Volakis and Davis (**Small Antennas Session B1, but not special**)
7. Electromagnetic Diagnostic Imaging Applications in Medicine (joint with K)—**did not carry**
Organizers Susan Hagness and Elise Fear

Commission B Sessions

B1	Small Antennas	W. A. Davis	wadavis@vt.edu
B2	Antenna Analysis, Design, and Measurements	Dejan S. Filipovic Sembiam R. Rengarajan	dejan@colorado.edu srengarajan@csun.edu
B3	Antenna Arrays and Reflectarrays	Jennifer T. Bernhard Yahya Rahmat-Samii	jbernarh@uiuc.edu rahmat@ee.ucla.edu
B4	Numerical Methods	Donald R. Wilton	wilton@uh.edu
B5	Scattering	Danilo Erricolo	erricolo@ece.uic.edu
B6	Guiding and Coupled Systems	Edward F. Kuester	kuester@schof.colorado.edu
SPECIAL SESSIONS			
BS1	Novel Materials and Effects	Hossein Mosallaei Manos Tentzeris	hosseinm@ece.neu.edu etentze@ece.gatech.edu
BDS1	Micro/Nano Electromagnetics and Meta-Devices	Nader Engheta Richard W. Ziolkowski Hossein Mosallaei	engheta@ee.upenn.edu ziolkows@ece.arizona.edu hosseinm@ece.neu.edu
BKS1	Wearable/ Implantable Sensors and Body Area Networks	Erdem Topsakal Yahya Rahmat-Samii	topsakal@ece.msstate.edu rahmat@ee.ucla.edu

Year to Year Stats

2009 URSI B Papers (Boulder, Colorado), attendance:

Total Papers (including joint) in all Sessions: 291

URSI B only papers : 52+26=78

papers in joint sessions: 16

papers in special sessions: 26

2008 URSI B Papers (Boulder, Colorado), attendance:

Total Papers (including joint) in all Sessions: 316

URSI B only session papers: 93

papers in joint sessions: 15

papers in special sessions: 62

2007 URSI B Papers (Ottawa), attendance:

Total Papers (including joint) in all Sessions: 325

URSI B only session papers: 239

papers in joint sessions: 38

papers in special sessions: 48

2006 URSI B Papers (Albuquerque), attendance:~

includes special sessions

URSI B Papers: 330

2005 URSI B Papers (Washington), attendance: ~1660

Total Papers (including joint with APS sessions): 443

URSI B only: 307

Special Sessions 2009 APS/URSI Meeting

organizer(s)	affiliation	session title	AP/URSI/joint
APPROVED			
Matteo Pastorino Aria Abubakar	University of Genoa Schlumberger-Doll Research	Quantitative, hybrid, and large-scale inverse scattering methods	AP
Takehiko Kobayashi	Tokyo Denki Univ. (Japan)	Radio propagation in confined spaces for new wireless systems	AP
Manos M. Tentzeris	Georgia Tech	Green (Environmentally-friendly) Antennas for RFID, Paper-based Electronics and Wireless Sensors	AP
Apostolos Georgiadis Ron Pogorzelski	CTTC (Spain) JPL	Active antenna arrays and transceivers based on coupled oscillators	AP
Ozlem Kilic Atef Elsherbeni	Catholic Univ. America Univ. Mississippi	Hardware Accelerated Computational Techniques for Electromagnetics Applications	AP
Doug Werner Do-Hoon Kwon	Penn State Univ. Mass.-Amherst	Transformation Electromagnetics	AP
Mei Song Tong Weng Chew	UIUC UIUC	Multiphysics Electromagnetics	URSI
Islamshah Amlani Rudy Emrick, George Hanson	Motorola Motorola UW-Milwaukee	Nanomaterials and nanostructures for RF, MMW, and THz Applications	URSI
Rick Ziolkowski H. Xin	Univ. Arizona Univ. Arizona	Electromagnetics and Solar Energy	AP/URSI
Peter de Maagt Amir Zaghloul	ESA (Netherlands) Virginia Tech	Predictions and Tracking of Environmental and Wildlife Phenomena	AP/URSI
Karl Warnick Stuart Hay	BYU CSIRO (Australia)	Array Antennas for Radio Astronomy	AP/URSI
Amir Zaghloul Ozlem Kilic	Virginia Tech Catholic Univ. America	Antennas for Security and Public Safety Applications	AP/URSI
Serdar Yonak David Smith	Toyota Duke Univ.	Homogenization and Characterization Techniques for Metamaterials and Artificial Dielectrics	AP/URSI
Stephen Gedney	University of Kentucky	15th Anniversary of J.-P. Berenger's Perfectly Matched Layer	AP/URSI
Hans Schantz	Q-track Corp.	Small Antennas and Fundamental Limits to Antenna Performance	AP/URSI

- 1p abstract for URSI sessions
- Deadline is Jan 16, 2009
- Conference Dates at Charleston: June 1-5, 2009