

Special Sessions for the 2019 NRSM

Commission A

1. Channel Sounder Measurements and Verification
Jeanne Quimby (Jeanne.quimby@nist.gov, 303-497-4217)
Chris Anderson (canderson@ntia.doc.gov, 303 497-3414)
2. Passive and Active Device Measurements (AD)
Jeanne Quimby (jeanne.quimby@nist.gov)
Zoya Popovic (zoya@colorado.edu)
3. Validity and Accuracy in EM Modeling of Systems and Environments (CABDE)
Charles Baylis (Charles_Baylis@baylor.edu, 254-710-4306)
Jean-Francois Chamberland-Tremblay (chmbrlnd@tamu.edu)

Commission B

1. 5G and Massive MIMO Antennas and Systems
Shubhendu Bhardwaj, Florida Int. Univ., (sbhardwa@fiu.edu)
Ghanshyam Mishra, San Diego State University (gmishra-sw@sdsu.edu)
2. Astronomical Phased Arrays: From Theory to Practice (BJ)
Karl Warnick, BYU (warnick@ee.byu.edu)
Juming Diao, UCLA (diaojunming@gmail.com)
3. Metamaterials and Metasurfaces: Theory & Applications
Filippo Capolino, UC Irvine (f.capolino@uci.edu)
Ashwin Iyer, Univ. of Alberta (iyer@ece.ualberta.ca)
4. Wearable, Implants, and Body Area Networks (BK)
Bashir Morshed, The University of Memphis (bmorshed@memphis.edu)
Ryan Green, Virginia Commonwealth University (greenrb@vcu.edu)
5. Antennas for Specialized Platforms: SmallSats, UAVs, and UUVs
Reyhan Baktur, Utah State University (reyhan.baktur@usu.edu)
David Jackson, University of Houston (djackson@uh.edu)
6. Techniques for Modeling of Waves in Plasmas (BGH)
Robert Marshall, University of Colorado (robert.marshall@colorado.edu)
Robert Lysak (lysak001@umn.edu)
Mark Golkowski, University of Colorado, Denver (mark.golkowski@ucdenver.edu)
Nikolay Zabolotin, Univ of Colorado (nikolay.zabolotin@colorado.edu)
Vijay Harid, University of Colorado, Denver (vijay.harid@ucdenver.edu)
7. Low-Profile Antennas from Gigahertz to Terahertz
Goutam Chattopadhyay, JPL-NASA (goutam.chattopadhyay@jpl.nasa.gov)
Satish K. Sharma, San Diego State Univ. (ssharma@sdsu.edu)
8. High-Power EM Effects and Solutions (EBFGK)

Lawrence Cohen, lawrence.cohen@nrl.navy.mil, 202-404-7726

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9. Validity and Accuracy in EM Modeling of Systems and Environments (CABDE)
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Commission C

1. Software-Defined Wireless Systems and Waveform Diversity
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3. Spectrum Issues and Solutions for Next-Generation Wireless Systems (CDEJ)
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4. Radio Communications with Small Satellites (FC)
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Al Gasiewski (al.gasiewski@colorado.edu)

Commission D

1. Low Power Microwave/ Millimeter-Wave Transceivers and Beam Steering
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2. Submillimeter-Wave/ Terahertz Circuits and Applications
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3. Passive and Active Device Measurements (AD)
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4. Spectrum Issues and Solutions for Next-Generation Wireless Systems (CDEJ)
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Commission E

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4. Lightning and the Ionosphere (HEG)
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Victor Pasko, Penn State University (vpasko@psu.edu)

Commission F

1. Random and Complex Media Models
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2. Remote Sensing from Small Satellites
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3. Radio Communications with Small Satellites (FC)
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4. RFI Mitigation for Remote Sensing
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5. RF Propagation Utilizing Numerical Weather Prediction
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6. GNSS and Radio Beacon Remote Sensing (FGH)
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7. High-Power EM Effects and Solutions (EBFGK)
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Commission G

1. New Horizons in Active and Passive Radio Techniques for Geospace Remote Sensing
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Julio Urbina, Penn State University (jvu1@psu.edu)
2. New Application of SmallSat Sensors in Space Session
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- Rebecca Bishop, Aerospace Corp (rebecca.l.bishop@aero.org)
3. Crowd Sourcing for Terrestrial and Planetary Applications
Fabiano Rodrigues, UT Dallas (fabiano@utdallas.edu)
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 4. Space-Based Ionospheric Measurements
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Tom Gaussiran, ARL:UT (gauss@arlut.utexas.edu)
 5. Space Plasma Measurement Techniques
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Terry Bullett, University of Colorado Boulder (terry.bullett@noaa.gov)
 6. Meteors, Orbital Debris and Dusty Plasmas (GH)
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Sigrid Close, Stanford University (sigridc@stanford.edu)
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 7. Ionospheric Modification (GH)
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 9. Techniques for Modeling of Waves in Plasmas (BGH)
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Commission H

1. Physics of the Radiation Belts
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2. Radio and Plasma Waves in the Solar System
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3. Waves and Turbulence in Laboratory and Space Plasmas
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4. Lightning and the Ionosphere (HEG)
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5. Techniques for Modeling of Waves in Plasmas (BGH)
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Commission J

1. Cosmology and Astrophysics at Low Frequencies [double session]
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2. Radio Emission from Extrasolar Planets
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3. Next Generation Very Large Array Design and Development
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4. New Telescopes, Techniques, and Technology
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5. Observatory Reports
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7. Astronomical Phased Arrays: From Theory to Practice (BJ)

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Commission K

1. RF, Microwave and THz Diagnostics/ Therapeutics

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2. Biomedical sensors and devices

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3. Wearable, Implants, and Body Area Networks (BK)

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