The XXXIst General Assembly and Scientific Symposium (GASS) of the International Union of Radio Science (Union Radio Scientifique Internationale: URSI) will be in Beijing. The XXXIst GASS will have a scientific program organized around the ten Commissions of URSI, including oral sessions, poster sessions, plenary and public lectures, and tutorials, with both invited and contributed papers. In addition, there will be workshops, short courses, special programs for Young Scientists, a student paper competition, programs for accompanying persons, and industrial exhibits. More than 1,500 scientists from more than 50 countries are expected to participate. The detailed program, the link to the electronic submission site for papers, the registration form, the application for the Young Scientists program, and hotel information are available on the GASS Web site: http://www.chinaursigass.com. Submission deadline: February 15, 2014.

Suggested Topics

### Commission A: Electromagnetic Metrology

Topics joint with:
- Com. B: Recent Advances in Antenna Measurement Techniques
- Com. D: Metrology of Optical Frequencies and Optical-Dimensional Measuring Techniques
- Com. E & K: Dosimetry and Safety of EM wave

### Commission B: Fields and Waves

Topics joint with:
- Com. A: Recent Advances in Antenna Measurement Techniques
- Com. C: Radio Channel Measurements and Modeling: MIMO, Indoor, Outdoor
- Com. D: Advanced Computational Techniques for Multi-Scale and Multi-Physics Electromagnetics
- Com. D: Plasmonics
- Com. D: RF MEMs and NEMS
- Com. D: Multi-Physics Modeling in Radio Frequency Nanoelectronics
- Com. E: Modeling
- Com. F: EM Modeling & Applications of Underground Imaging
- Com. K: Non-Ionizing Electromagnetic Medical Imaging
- Com. K: Antennas for Wireless Medical Telemetry
- Com. C & D: Reconfigurable Antennas for Cognitive Radio
- Com. C & D: Emerging Wireless Technologies
- Com. C & D: Signal Processing Antennas
- Com. E & K: Uncertainty Management
- Com. C, D & K: Body-Area Networks

### Commission C: Radiocommunication Systems and Signal Processing

Topics joint with:
- Com. B: Radio Channel Measurements & Modeling: MIMO, In-& Outdoor
- Com. D: Circuit Technologies for Mobile Communications
- Com. D: Ultra-High-Bit-Rate Radio Communications (THz and 60 GHz)
- Com. D: Broadband Ubiquitous Network with Wired & Wireless Convergence
- Com. F: URSI-ISPRS Session on Communications and Remote Sensing in Disaster Scenarios
- Com. B & D: Emerging Wireless Technologies
- Com. B & D: Signal Processing Antennas
- Com. D & F: Trends in THz Communications
- Com. B, D & K: Body-Area Networks

### Commission D: Electronics and Photonics
- Micro and Nanophotonics / New Frontiers and Applications of Optical Fibers / Graphene Nanoelectronics for THz Applications / Trends in RFID, from Identification to Sensing / Nonlinear Optics and Guided Wave Devices / Hybrid and Monolithic Digital-RF Integrated Circuits / Quantum Optics, Quantum Information, Quantum Precise Measurement and THz systems and Applications / 60 GHz Electronics

Topics joint with:
- Com. A: Quantum Metrology
- Com. A: Metrology of Optical Frequencies and Optical-Dimensional Measuring Techniques
- Com. B: Plasmonics
- Com. B: RF MEMs and NEMS
- Com. B: Multi-Physics Modeling in Radio Frequency Nanoelectronics
- Com. B: Advanced Computational Techniques for Multi-Scale and Multi-Physics Electromagnetics
- Com. C: Broadband Ubiquitous Network with Wired & Wireless Convergence
- Com. C: Circuit Technologies for Mobile Communications
Awards and Student Paper Competitions should be done during paper submission. Information on this program and on the Student Paper Competition is available on the Web site. Application for Young Scientists

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For all questions related to the GASS, please contact the GASS Secretariat:

A limited number of awards are available to assist Young Scientists from both developed and developing countries to attend the GASS. Information on this program and on the Student Paper Competition is available on the Web site. Application for Young Scientists Awards and Student Paper Competitions should be done paper submission.

Important Deadlines
Paper submission: February 15, 2014
Acceptance Notification: April 15, 2014

Contact
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http://www.chinaursigass.com

Young Scientists Program and Student Paper Competition

All papers (a maximum of four pages) should be submitted electronically via the link provided on the GASS Web site: http://www.chinaursigass.com. Please consult the symposium Web site for the latest instructions, templates, and sample formats. Accepted papers that are presented at the GASS will be submitted for posting to IEEE Xplore.

Commission E: Electromagnetic Environment and Interference


Topics joint with:
Com. B: Modeling
Com. K: EMC of Wireless Power Transfer

Commission F: Wave Propagation and Remote Sensing


Topics joint with:
Com. B: EM Modeling and Applications of Undergraduate Imaging
Com. C: URSI-ISPRS Session on Communications and Remote Sensing in Disaster Scenarios
Com. C & D: Trends in THz Communications

Commission G: Ionospheric Radio and Propagation


Topics joint with:
Com. H: Plasma Waves
Com. H: Radio Sounding in Magnetospheres and Ionospheres
Com. H: The Geospace Environment and Meteors
Com. H: Active Experiments
Com. H: Drivers, Detection, and Ionospheric Impacts of Precipitation from the Radiation Belts

Commission H: Waves in Plasmas

Wave-Particle Interactions & Their Effects on Planetary Radiation Belts / Laboratory Simulations of Space Plasma Waves / Boundary Layers in Terrestrial and Planetary Environments: Macro/Micro-Scale Kinetic Processes / Plasma Interactions with Solar System Bodies / Remote Sensing of the Plasmasphere

Topics joint with:
Com. G: Active Experiments
Com. G: Drivers, Detection, and Ionospheric Impacts of Precipitation from the Radiation Belts
Com. G: Plasma Waves
Com. G: Radio Sounding in Magnetospheres and Ionospheres
Com. G: The Geospace Environment and Meteors
Com. E & G: Terrestrial and Planetary Electromagnetics
Com. E & G: Electromagnetic Effects in Lithosphere-Airosphere-Ionosphere Coupling
Com. E & G: Ionospheric, Magnetospheric and High Energy Effects of Lightning

Commission J: Radio Astronomy


Topics joint with:
Com. A: Pulsars and the Application to Time Scales
Com. E: Spectrum Management and Utilization

Commission K: Electromagnetics in Biology and Medicine

Interaction Between EMF and Biosystems / Biological Effects of EMF / Millimeter and THz Waves in Medicine and Biology / Therapeutic Applications of High-Frequency EM / EMF Exposure Assessment / Interactions Between Human Body and Implanted Systems Field Applications / Biomedical Applications: Static, ELF and Pulsed Field Applications

Topics joint with:
Com. B: Electromagnetic Modeling of the Human Body
Com. B: Non-Ionizing Electromagnetic Medical Imaging
Com. B: Antennas for Wireless Medical Telemetry
Com. E: EMC of Wireless Power Transfer
Com. A & E: Dosimetry and Safety of EM wave
Com. B & E: Uncertainty Management
Com. B, C & D: Body-Area Networks

Com. C: Ultra-High-Bit Rate Radio Communications (THz and 60 GHz)
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