

XXIX General Assembly of URSI
Chicago, Illinois, USA *August 7-16, 2008*

List of Scientific Sessions by Commission

Please refer to the Scientific Program for information on the Conveners and content of the sessions. All sessions are intended for oral presentation, with the exception of the two poster sessions, on Tuesday and Thursday afternoons.

Each Commission has a limited number of slots available for oral presentation, and many of these time slots may be reserved for invited speakers. However, there is no limitation on the number of poster papers. Poster papers may be submitted on any topic of interest to the Commissions. With the permission of the pertinent Commission Chair(s), special poster sessions may also be organized.

Joint sessions between Commissions are listed only under the leading Commission; authors are therefore advised to look carefully at the entire program before deciding where to submit their contribution.

Authors who submit for oral presentation may find their contribution assigned to a different session or to a poster presentation. All authors of poster papers should be ready to switch their presentation to oral format when called upon to do so on short notice by a Commission Chair or Convener, if a last-minute replacement for a no-show oral paper is needed.

Commission A

- A01 – Primary frequency standards.
- A02 – Time scales and time dissemination.
- A03 – RF and microwave standards; realization and dissemination.
- A04 – Antenna characterization.
- A05 – Measurements to support advanced communications systems.
- A06 – Characterisation of EM materials.
- A07 – EM dosimetry.
- A08 – Terahertz technologies.
- A09 – Wireless sensor networks.
- AC – Measurements methods and model extraction for wireless systems.
- AE – EMC measurements.
- AP – Poster sessions.

Commission B

- B01 – Electromagnetic theory.
- B02 – Scattering and diffraction.
- B03 – Inverse scattering.
- B04 – Antennas and arrays.
- B05 – Numerical, asymptotic and hybrid methods.
- B06 – Transient fields and ultrawide-band antennas.

B07 – Wave field imaging for homeland security.
BCD – Physical limitations of electromagnetic metamaterials.
BCK – Body area networks, including medical application.
BK – Future challenges of computational electromagnetics.
BKF – Stochastic modeling and uncertainty management in electromagnetics.
BP – Poster sessions.

Commission C

C00 – Forum on radio science and telecommunications.
C01 – Metropolitan area networks (WiMAX) and local area networks (WiFi).
C02 – 4G cellular communications.
C03 – Multi-antenna systems.
C04 – Interference-limited scenarios and multiuser detection for wireless.
C05 – Ultrawideband systems.
C06 – Cooperative communications.
C07 – Cognitive radio and software radio.
C09 – Radio resource allocation.
C10 – Millimeter wave systems (including 60 GHz) for radar and high-data-rate communications.
C11 – Communicating objects.
CP – Poster sessions.

Commission D

D01 – RFID technology and applications.
D02 – Optical devices including guided waves.
D03 – Microwave photonics.
D04 – Transistor session.
D05 – Modeling of high frequency devices and circuits.
D06 – Plastic devices for nomad apparatus (mobile phone...).
D07 – Terahertz technology.
D08 – Micro and nanophotonics.
D09 – MEMS and NEMS components.
DB – Plasmonics.
DE – Simulation and characterization of mixed signals and power integrity.
DP – Poster sessions.

Commission E

E01 – Intentional electromagnetic interference.
E02 – High power electromagnetics.
E03 – Electromagnetic noise and interference control.
E04 – Interaction with complex systems.
E05 – Spectrum management.
E06 – Lightning discharges and related phenomena.

E07 – Electromagnetic compatibility in wire and wireless communication systems.
E08 – Experimental techniques for EMC compliance.
EB – EM modeling for EMC.
EGH – Terrestrial and planetary electromagnetic disturbances and effects.
EK – Interference on medical devices.
EP – Poster sessions.

Commission F

F01 – Remote sensing and propagation effects of vegetation.
F02 – Remote sensing of oceans and precipitating atmosphere.
F03 – Satellite and terrestrial propagation.
F04 – Multiparameter SAR interferometry.
F05 – Remote sensing of the cryosphere.
F06 – Sub-millimetric and terahertz propagation.
F07 – Remote sensing of the atmosphere: temperature, humidity, and non-precipitating Clouds.
F08 – Polarimetric radar applications to tropospheric propagation and remote sensing.
FC1 – Propagation measurements of indoor-outdoor channels (including polarization aspects).
FC2 – Wireless propagation and channel modeling.
FG – Mitigation of ionospheric and tropospheric effects in precision GNSS.
FP – Poster sessions.

Commission G

G01 – Open session and latest results.
G02 – Density profiling and models.
G03 – Irregularities and scintillation.
G04a – Assimilation and imaging of the ionosphere and plasmasphere I.
G04b – Assimilation and imaging of the ionosphere and plasmasphere II.
G05a – Radar studies I.
G05b – Radar studies II.
G06 – Improving radio systems through ionospheric radio science (trans- and sub-ionosphere, radio propagation).
GF - Radio occultation - techniques, validation, science and applications.
GH – Radio sounding techniques for the ionosphere and magnetosphere.
GHE – Modification of the ionosphere and magnetosphere.
GP – Poster sessions.

Commission H

H01 – Dynamics of the plasmasphere using wave techniques.
H02 – Observations of waves and coherent structures in space plasmas.
H03 – Open session and latest results.
H04 – Kinetic processes at boundary layers.

H05 – Wave experiments in laboratory plasmas and applications to space.
HBDGJK – Solar power satellites.
HG1a – Wave-particle interactions and radiation belt remediation I.
HG1b – Wave-particle interactions and radiation belt remediation II.
HG2 – Dusty plasmas.
HGE – Seismo-electromagnetics.
HP – Poster sessions.

Commission J

J01a – Future large telescopes I.
J01b – Future large telescopes II.
J02 – Aperture and focal plane arrays in radio astronomy.
J03a – Mm and sub-mm radio astronomy I.
J03b – Mm and sub-mm radio astronomy II.
J04 – Observatory reports.
J05 – Radio astronomy in space and on the moon.
J06 – Signal processing, calibration and imaging in radio astronomy.
J07 – Splinter meetings.
JF – Radio frequency interference, problems and solutions.
JG – Low frequency radio astronomy and the ionosphere.
JP – Poster sessions.

Commission K

K01 – Modelling of interactions between EMF and biosystems.
K02a – Biological effects of EMF: antenna interactions with the human body with
Emphasis on implanted systems.
K02b – Biological effects of EMF: molecular, cellular, animal.
K02c – Biological effects of EMF: imaging the human response.
K03a – Wireless communication and health: molecular, cellular, animal.
K03b – Wireless communication and health: genotoxicity.
K04a – Biomedical applications: neurostimulation.
K04b – Biomedical applications: brain imaging and brain mapping.
K05 – Occupational EMF safety & health.
KAE – Exposure assessment & emerging new technologies.
KBE – Biomedical applications: microwave breast imaging.
KP – Poster sessions.