



MECAP



# MECAP'10, 1<sup>st</sup> Middle East Conference on Antennas and Propagation

20-10-2010 in Cairo, Egypt

## MECAP'10 Chairs

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## IMPORTANT DEADLINES

Abstract submission  
**10<sup>th</sup> August 2010**

Notification of acceptance  
**10<sup>th</sup> September 2010**

Submission of full papers  
**20<sup>th</sup> September 2010**

## MECAP'10 Conference

Following the success of the European Conference on Antennas and Propagation (EuCAP), MECAP board is pleased to announce the 1<sup>st</sup> Middle East Conference on Antennas and Propagation, MECAP 2010, to be held in Cairo, Egypt.

MECAP 2010, is an IEEE international conference supported by the top level Associations in Antennas & Propagation (IEEE APS, IEEE MTTs), provides, through its presentations and exhibition, the ideal place for the exchange of scientific and technical information, both at academic and industrial levels, and fosters collaboration and cooperation in the Antenna & Propagation domain both at Middle East and global levels.



## Call for Papers

### Antennas and Related Topics

- A1 Active and integrated antennas
- A2 Antenna interactions and coupling
- A3 Antennas for remote sensing and radio astronomy
- A4 Array antennas incl. reflect arrays
- A5 Automotive antennas
- A6 Beamforming, data processing, multiple antennas
- A7 Electromagnetic theory and numerical techniques
- A8 Electromagnetic exposure and interactions
- A9 Medical applications
- A10 Millimeter wave and THz technologies
- A11 MIMO, smart and signal processing antennas
- A12 Mobile communication
- A13 Multiband, wideband, UWB antennas
- A14 New materials, meta-materials, EBG structures
- A15 ... Check the TrackChair for the further Enhanced Antenna topics

### EM Field Theory, Simulation Techniques and EMC

- E1 Electromagnetic Field Theory
- E2 Mathematical Modeling of EM Problems
- E3 Analytic Identities and Limitations in Electromagnetic
- E4 Propagation and Scattering in Layered Structures
- E5 Nonstandard Boundary Conditions in Electromagnetics
- E6 Theoretical Aspects of Discrete Field Formulations
- E7 Guided Waves
- E8 Numerical Time-Domain Techniques
- E9 Numerical Frequency-Domain Techniques
- E10 Numerical Methods: Integral Equations
- E11 Hybrid Methods
- E12 Scattering: Numerical Methods
- E13 Inverse Scattering and Imaging
- E14 Nonlinear Methods for Inverse Scattering
- E15 ... Check the TrackChair for the further Enhanced EM Field Theory topics

### Measurements Techniques for Antennas and RCS

- M1 Measurements of antennas and radar scattering
- M2 Advances in indoor and outdoor test ranges
- M3 Measurement standards and laboratory comparisons
- M4 Advances in near-field, far-field, compact and RCS ranges
- M5 Data acquisition, algorithms and processing methods
- M6 Measurement imaging, algorithms and processing techniques
- M7 Diagnostics methods for antenna acceptance testing
- M8 Phased-array antenna testing
- M9 Adaptive antenna/smart antenna measurements
- M10 EMI/EMC/PIM chamber design, measurements and instrumentation
- M11 Cellular and automotive application measurements
- M12 RF material design, measurements and instrumentation
- M13 Satellite antenna measurements
- M14 Ultra-wideband or frequency independent antenna measurements
- M15 ... Check the TrackChair for the further Enhanced Measurements topics

### Microwave Sub-Systems, Systems and Applications

- MW1 Passive Components & Circuits
- MW2 Filters and Multiplexers
- MW3 RF-MEMS and MOEMS
- MW4 Metamaterial and Photonic Bandgap Devices
- MW5 New and Emerging Technologies and Materials for Microwave Components
- MW6 Modelling of Passive RF, Microwave and mmWave Components
- MW7 Microwave and Millimetre-Wave Monolithic ICs for Industrial Applications
- MW8 Power Amplifiers and Linearisers
- MW9 Low Noise and Communication Receivers
- MW10 Tuneable and Reconfigurable RF Circuits and Systems
- MW11 Interconnects, Packaging and Multi-Chip Modules
- MW12 Microwave Photonics
- MW13 Linear and Non-Linear CAD Techniques for Devices, Circuits & Systems (incl. Thermal and Behavioural Modelling)
- MW14 Microwave Measurements
- MW15 ... Check the TrackChair for the further Enhanced Microwave topics

### Propagation and Related Topics

- P1 Mobile Propagation channel measurements and modeling
- P2 Polarisation in propagation and remote sensing
- P3 Propagation and scattering in vegetation
- P4 Propagation aspects in wireless sensor networks
- P5 Propagation for fixed satellite services
- P6 Propagation for maritime and aeronautical appl.
- P7 Propagation for mobile satellite services & navigation
- P8 Propagation models for automatic network planning
- P9 Propagation models for millimetre and sub millimetre waves
- P10 Radio climatology
- P11 Rough surface and random media scattering
- P12 Short-wave propagation
- P13 Stochastic and deterministic channel modelling
- P14 Trans-ionospheric propagation
- P15 ... Check the TrackChair for the further Enhanced Propagation topics

[www.mecap-conf.org](http://www.mecap-conf.org)