EuCAP 2013 is organized yearly by The European Association on Antennas and Propagation (EurAAP) since 2006. Chalmers University of Technology welcomes EuCAP 2013 to Gothenburg (Göteborg), the microwave center of Sweden with well-known antenna companies such as Ericsson, Saab, RUAG Space and Bluetest; an ideal and unique meeting place in Europe for academia and industry to exchange the latest research in Antennas and Propagation.

Venue in city center – close to the sea
Gothenburg is a world-class meeting and events city, located on the beautiful west coast of Sweden, easily accessible from around the world, close to the sea with a stunning archipelago and outstanding restaurants. The Swedish Exhibition & Congress Center is located in the city center with all kinds of restaurants, entertainment and shops within walking distance. The in-house Hotel Gothia Towers is the largest in Scandinavia, and several more hotels are just around the corner. During the social events you will be well entertained, among others by the colorful popular Chalmers ballet, and at the banquet you can enjoy a spectacular Swedish ABBA pop music show.

International rendezvous for Antennas and Propagation:
EuCAP is supported by the top-level associations in Antennas and Propagation, thus fostering true collaboration at European and global levels. AMTA Europe will support the organization of the exhibition, sessions and industrial activities.

Application tracks
For the first time, EuCAP will gather sessions according to time-continuous application tracks. This will increase interactions between academia and industry. Therefore, authors will be invited during submission to eventually allocate their contributions to one or more applications (initial list below), enabling the formation of applications tracks in the final program. Contributions not targeting a particular application will be allocated to regular sessions all along the week.

Best paper awards and travel grants:
EuCAP will honor the authors of the best papers within each of the areas of measurements, propagation, antenna theory and antenna design. ESoA (European School of Antennas) will recognize the best papers presented by students. There will also be given travel grants to authors of high-quality papers from developing countries.

CALL FOR PAPERS
EuCAP 2013, 8–12 APRIL
GOTHENBURG, SWEDEN
www.euca2013.org

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IMPORTANT DEADLINES
Submission of Abstract: 14 October 2012
Notification of Acceptance: 14 December 2012
Submission of Final Paper: 15 January 2013
AUTHOR INSTRUCTIONS:
The authors must first submit an abstract of 2 A4 pages, using the templates that can be downloaded from www.eucap2013.org. The abstract must contain enough information for the TPC and reviewers to judge the originality and quality of the work. The abstract must be uploaded via EDAS® conference management system. During the uploading process the authors will be asked to categorize their papers in terms of the conference topics and application tracks, both listed below.

After acceptance, the authors will be asked to submit either: a) An updated abstract of 2 pages, or b) a full paper of maximum 5 pages (including figures). In both cases the paper templates available at www.eucap2013.org must be used. The template for the final 2-page abstract is the same as for the initial abstract. Note that the 2 page abstract will not appear in IEEE Xplore, whereas the full paper will, if it is found to be consistent with the required formats and content. The authors will also be asked during paper submission if they want the full paper will, if it is found to be consistent with the required formats and content. The authors will also be asked during paper submission if they want to be considered for any awards or grants, as explained below.

At least one of the authors of each paper must register for attending the conference, and, it is not possible for any person to register more than two papers in his/her name as “presenting author”.

CONFERENCE TOPICS:

**ANTENNAS AND RELATED TOPICS**

A1 Electromagnetic theory and numerical techniques
A2 Antenna interactions and coupling
A3 Antenna systems and architectures
A4 Scattering, diffraction and RCS
A5 Imaging and inverse scattering
A6 Small antennas and RF sensors
A7 Wearable antennas
A8 Dielectric resonator antennas
A9 Printed elements, baluns and associated circuits
A10 Wire antennas
A11 Slotted, guided wave and leaky wave antennas
A12 Array antennas
A13 Reflectarrays and transmitarrays
A14 Conformal antennas
A15 Beamforming, data processing
A16 Adaptive and reconfigurable antennas
A17 Active and integrated antennas
A18 MIMO, antenna diversity, smart and signal processing antennas
A19 Reflector, feed systems and components
A20 Lens antennas and radomes
A21 Frequency and polarization selective surfaces
A22 Multiband and wideband antennas
A23 Ultra wide band antennas and time domain techniques
A24 Advanced RF materials, meta-materials and EBG
A25 Millimeter, sub-millimeter and TeraHertz antennas
A26 High power antennas
A27 Other antenna topics

**PROPOSITION AND RELATED TOPICS**
P1 Fixed propagation modeling and measurement campaigns
P2 Mobile channel modeling and measurement campaigns
P3 Propagation / interaction with natural media (surface/vegetation)
P4 Urban/indoors propagation
P5 Trans-ionospheric propagation
P6 Short-wave propagation
P7 Millimeter and sub millimeter waves propagation
P8 UWB propagation channel
P9 Radio climatology
P10 Polarization issues in propagation
P11 Stochastic and deterministic channel modeling
P12 Other propagation topics

**ANTENNA AND RCS MEASUREMENT TECHNIQUES**

M1 General Antenna Measurements
M2 Measurements of radar scattering and radar calibration techniques
M3 Advances in near-field, far-field, compact and RCS test ranges
M4 Measurement standards and range comparisons
M5 Data acquisition, imaging algorithms and processing methods
M6 Diagnostics methods for antenna acceptance testing
M7 Multiple beams antenna testing
M8 Adaptive antenna/smart antenna testing
M9 MM-wave/quasi-optical antenna measurements
M10 Ultra-wideband or frequency independent antenna measurements
M11 RF material characterization, test techniques and facilities
M12 EMI/EMC/PIM chamber design, measurements and instrumentation
M13 End to end system testing
M14 Over-The-Air (OTA) testing of antennas and wireless devices in multipath
M15 Other measurement topics

**APPLICATION TRACKS:**

- Automotive
- Aircraft, ships and trains
- Navigation
- Cellular mobile communication (includes: base station, machine to machine, internet on devices, handheld devices)
- Wireless networks (includes: LAN, indoor communication)
- High data rates transfer and backbone networks
- RFID, on-body antennas and sensor networks
- Biomedical (includes: human body interaction, EM exposure and interactions)
- Satellite communications
- Satellite passive and active remote sensing
- RADAR
- Radio astronomy
- Signal and image processing
- Defense and security
- Commercial software
- Topic related to more than one application (Explanation: The EDAS web page will contain pop-up cell to select several applications)
- Other applications (Explanation: The EDAS web page will contain pop-up cell for input by the author)
- Topic unrelated to any application

Awards:

- **EuCAP 2013-Göteborg awards:** Four awards will be given in the areas of Measurement, Propagation, Antenna theory and Antenna design.
- **ESoA-EuCAP 2013 –Göteborg student awards:** These awards will be given to the best oral paper presented by a student based on a pre-selection of the full papers with the highest quality.
- **EuCAP2013 Travel Grants:** These will be awarded to authors of high quality papers from developing countries, which are not able to pay the conference fee.

The detailed information and participation rules about the different awards and grants will be available at the EuCAP2013 website.

Technical Program Committee:

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