

**The International Workshop on  
Integrated Nonlinear Microwave  
and Millimetre-wave Circuits**  
September 3<sup>rd</sup> - 4<sup>th</sup>, 2012  
Dublin, Ireland

# INMMiC<sup>Dublin</sup>

## CALL FOR PAPERS

### CONFERENCE COMMITTEE

**Conference Chair:**

**Anding Zhu** (Univ. College Dublin, Ireland)

**Conference Co-Chair:**

**Thomas J. Brazil** (Univ. College Dublin, Ireland)

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**Stephen Maas** (Nonlinear Technologies, Inc., USA)

**Gottfried Magerl** (Vienna Univ. of Tech., Austria)

**Teresa M. Martín-Guerrero** (Univ. Malaga, Spain)

**Sébastien Mons** (XLIM – Limoges, France)

**José Carlos Pedro** (Univ. Aveiro, Portugal)

**Timo Rahkonen** (Oulu University, Finland)

**Dominique Schreurs** (Kath. Univ. Leuven, Belgium)

**Paul Tasker** (Cardiff University, UK)

**Anding Zhu** (Univ. College Dublin, Ireland)

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### IMPORTANT DATES

**Abstract Submission Deadline:**

May 4<sup>th</sup>, 2012

**Notification of Acceptance:**

July 6<sup>th</sup>, 2012

**Final Manuscript Due:**

August 24<sup>th</sup>, 2012

**Conference Date:**

September 3<sup>rd</sup> - 4<sup>th</sup>, 2012

### SCOPE

The International Workshop on Integrated Nonlinear Microwave and Millimetre-wave Circuits (INMMiC) is a forum for promoting, discussing and spreading ideas in the field of nonlinear microwave and millimetre-wave circuits and systems. It was successfully launched in Rome, Italy, in 2004, and then subsequently held at different venues around Europe: 2006 in Aveiro, Portugal, 2008 in Málaga, Spain, 2010 in Göteborg, Sweden, and 2011 in Vienna, Austria. INMMiC 2012 will be held at University College Dublin, Ireland, on September 3<sup>rd</sup> - 4<sup>th</sup>, 2012.

INMMiC 2012 will feature a two-day (IEEEExplore) archival series of oral and poster presentations with invited talks and tutorials. An industrial exhibit featuring a selection of state-of-the-art microwave products, measurement instruments and CAD software will also be held. The participation of young researchers and postgraduate students is strongly encouraged. A number of Young Researcher Travel Grants are available. A Best Student Paper Award will be made supported by the GAAS Association with a 1,000 Euro cash prize and the GAAS Silver Plaque.

### TOPICS

Technical contents include, but not limited to, the following areas:

- High frequency nonlinear device and subsystem modelling
- Nonlinear measurement and device characterisation techniques
- Nonlinear noise characterisation and modelling
- Nonlinear circuit analysis and simulation methods, CAD tools
- Optimum design methodologies for nonlinear circuits
- Linearity issues and linearisation techniques
- Power amplifier efficiency enhancement techniques and emerging transmitter architectures
- Nonlinearities at THz frequencies, characterisation, modelling and applications

### SUBMISSIONS

Prospective authors are invited to submit a two or three-page (including figures) extended abstract in PDF format before the Abstract Submission Deadline. All papers must be written in English, and submitted electronically from the conference website.

All submissions will be peer-reviewed. Authors of accepted contributions should provide a full-length (three-page) final version of their work before the Final Manuscript Submission Deadline. The final version of the paper will be published in the conference proceedings as well as in IEEEExplore, provided it has been presented during the conference.

For further details, please visit the INMMiC 2012 website at <http://www.inmmic.org>.

