



METAMATERIALS 2009

London, UK

30 August – 4 September

The Third International Congress on Advanced Electromagnetic Materials in Microwaves and Optics—*Metamaterials 2009* is organized by the Metamorphose Virtual Institute (www.metamorphose-vi.org) and is hosted by Queen Mary University of London. The Congress sessions will include:

- ❖ Invited Plenary and Focused Session Talks
- ❖ Oral Presentations
- ❖ Interactive Poster Forums
- ❖ European Doctoral School on Metamaterials

TOPICS

The Congress will address a wide area of research in artificial electromagnetic materials and surfaces and their applications from microwave to optical frequencies. The conference topics encompassing general theory, design, applications, fabrication and measurements include but are not limited to:

- Physics of complex electromagnetic materials
- Micro- and nano-fabrication of metamaterials
- Experimental studies and characterization of metamaterials
- Analytical and numerical modelling of metamaterials
- Homogenization of metamaterials and effective medium models
- Three-dimensional metamaterials
- Planar metamaterial structures, meta-surfaces and meta-sheets
- Metamaterials for nano-electronics and nano-antennas
- Carbon nanotubes and graphene in metamaterials
- Tunable/reconfigurable/active/nonlinear metamaterials
- Chiral and bianisotropic composites
- Metamaterials with extreme parameters
- Plasmonic metamaterials
- Extraordinary transmission
- EBG structures, photonic crystals, and their applications
- Millimeter wave/THz metamaterials and applications
- Optical metamaterials and applications
- Antenna applications
- Applications in microwave engineering
- Superlenses, hyperlenses, other near-field imaging devices
- Transformational electromagnetics and optics
- Advances in cloaking
- Applications of metamaterials in absorbers
- Educational aspects of metamaterials

Important Dates

Paper submission
16 March 2009

Student paper competition
application deadline
16 March 2009

Paper acceptance notification
25 May 2009

Grant application deadline
5 June 2009

Student paper finalist
notification:
19 June 2009

Grant notification
19 June 2009

European School on
Metamaterials
30-31 August 2009

Conference
1-4 September 2009

Contacts

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Previous congresses

Metamaterials 2007 – Rome, Italy
Metamaterials 2008 – Pamplona, Spain

General Chairs

S. Tretyakov (Chair) *Finland*
A. Schuchinsky (Co-Chair) *UK*

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Submission Deadline – 16 Mar 2009

Paper submission

Papers should be submitted by uploading a PDF-file to the Congress website: <http://congress2009.metamorphose-vi.org/>. The paper should be in English and 3-page long (including figures and references). The paper should contain an abstract, a brief conclusion, and a main body where the technical content and the novelty of the work are clearly presented. Authors are requested to use the template when preparing their submission. Only electronic submissions via the web portal will be available. Late submissions will not be considered. All papers will be reviewed by the Technical Programme Committee, and the authors will be notified of the status of their submission by 25 May 2009. Visit the Congress website for details of the submission process and paper template.

Student Paper Competition

The Best Student Paper competition will be held during the Conference. The winner of the best student paper competition will be announced at the Conference closing ceremony. The competition rules will be published at the website.

Grants

A few travel grants will be provided for students and delegates from low-income countries. The grant rules and application forms will be published at the Congress website.

<http://congress2009.metamorphose-vi.org/>