

2012 International Workshop on Metamaterials (META12'Nanjing)

October 8–10, 2012, Nanjing, CHINA

General Chairs

Sir John Pendry, *Imperial College London, UK*; Tie Jun Cui, *Southeast University, China*

CALL FOR PAPERS

Metamaterial, including plasmonics, is a multidisciplinary research area which makes a bridge from the basic theoretical and experimental research at universities to real applications in industries on a diverse spectrum of microwave, THz, infrared, and optical materials and devices. META12'Nanjing will cover a broad scope of topics on meta-materials ranging from the fundamental electromagnetic theory, transformation optics, unit structures, design of metamaterials, experiments of novel phenomena to real applications in microwave and optical devices and systems. The Workshop will include invited lectures from top experts in this area, and contributed poster presentations. The topics of the Workshop will include, but are not limited to:

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| 1. Fundamental electromagnetic theory for metamaterials | 13. Waves in structured, periodic and disordered metamaterials |
| 2. Transformation Optics and Electromagnetics | 14. RF and microwave metamaterials |
| 3. Effective medium theory | 15. Millimeter-wave and terahertz metamaterials |
| 4. Modeling of metamaterials | 16. Optical metamaterials |
| 5. Negative-index materials | 17. Quantum metamaterials |
| 6. Gradient index metamaterials | 18. Acoustic metamaterials |
| 7. Three-dimensional metamaterials | 19. Nano structures and graphene in metamaterials |
| 8. Planar metamaterials | 20. Surface plasmon polaritons |
| 9. Nonlinear metamaterials | 21. Low-loss or lossless metamaterials |
| 10. Tunable metamaterials | 22. Fabrication of complex materials and surfaces |
| 11. Meta-surfaces and meta-sheets | 23. Invisibility cloaks |
| 12. Novel or new-concept metamaterials | 24. Metamaterials applications |

PAPER SUBMISSION DEADLINE: July 31, 2012

Paper Submission Guidelines:

Authors are invited to submit a paper less than or equal to four pages (including figures and references) in PDF file. The paper should contain an abstract, a brief conclusion, and a main body where the content and relevance of the proposed contribution are clearly explained.

Publication and Student-Paper Competition:

The conference proceeding will be listed in the IEEE Conference Publication Program. In order to encourage graduate students in their researches on metamaterials, three student papers will be selected to receive the Best Student Paper Awards.

Paper Submission:

We strongly recommend that you submit your paper via email (wxjiang@seu.edu.cn) by attachments. The paper submission deadline is July 31, 2012. The acceptance is notified in August 31, 2012, and the Advance Program is delivered in September 10, 2012.

Sponsors:

Chinese Ministry of Education; National Science Foundation of China; Southeast University, China; State Key Laboratory of Millimeter Waves; State Key Laboratory of Experimental Physics and Computational Mathematics; IEEE Nanjing Section; IEEE AP-MTT-EMC Nanjing Joint Chapter