



# Photonic Metamaterials: from Random to Periodic

## Topical Meeting

Westin at Our Lucaya Beach & Golf Resort

Grand Bahama Island, Bahamas

June 5-8, 2006

[www.osa.org/meta](http://www.osa.org/meta)

### Conference Co-Chairs:

- Azriel Genack, *Queens College of City Univ. of New York, USA*
- Vladimir M. Shalaev, *Purdue Univ., USA*

### Program Committee

Carlo W. J. Beenakker, *Univ. of Leiden, The Netherlands*  
 Hui Cao, *Northwestern Univ., USA*  
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 Physics, The Netherlands*  
 Evgenii Narimanov, *Princeton Univ., USA*  
 John Pendry, *Imperial College, UK*

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 John Sipe, *Univ. of Toronto, Canada*  
 Bart A. van Tiggelen, *Univ. of Joseph Fourier/ CNRS,  
 France*  
 Yurii Vlasov, *IBM, USA*  
 Arjun Yodh, *Univ. of Pennsylvania, USA*

## PLAN TO ATTEND METAMATERIALS 2006!

### Topics to be considered include:

- Fundamental and applied aspects of waves in structured, periodic and disordered metamaterials
- Fabrication and photonic properties of metamaterials including photonic and plasmonic band gap materials, negative-index materials and novel composites with unusual optical properties
- Wave propagation and localization in random media
- Imaging in turbulent and static disordered media including the atmosphere and ocean, and medical and biological tissues
- Partial coherence, coherent backscattering, random lasing, and temporal, spectral and spatial correlation; multiple scattering from dilute cold gases
- Analogies between the propagation of electromagnetic, acoustic, electronic and matter waves with dynamical localization and chaos

### Invited Speakers

**Eric Akkermans**, *Technion, Israel*

**Richard Blaikie**, *Univ. of Canterbury,  
 New Zealand*

**Sergey I. Bozhevolnyi**, *Aalborg  
 Univ., Denmark*

**Hui Cao**, *Northwestern Univ., USA*

**Nader Engheta**, *Univ. of  
 Pennsylvania, USA*

**F. Javier García de Abajo**, *Centro  
 Mixto CSIC-UPV/EHUA, Spain*

**Sajeev John**, *Univ. of Toronto,  
 Canada*

**Robin Kaiser**, *CNRS, France*

**Ad Lagendijk**, *FOM, - Inst. for Atomic  
 & Molecular Physics, The Netherlands*

**Evgenii Narimanov**, *Princeton Univ.,  
 USA*

**Susumu Noda**, *Kyoto Univ., Japan*

**John B. Pendry**, *Imperial College, UK*

**Pierre Petroff**, *UCSB, USA*

**Patrick Sebbah**, *Univ. of Nice/CNRS,  
 France*

**Ping Sheng**, *Hong Kong Univ. of  
 Science and Technology, Hong Kong*

**Costas Soukoulis**, *Iowa State Univ.,  
 USA*

**Bart van Tiggelen**, *Univ. of J.  
 Fourier/CNRS, France*

**Yurii Vlasov**, *IBM, USA*

**Diederik Wiersma**, *European Lab for  
 Non-linear Spectroscopy, Italy*

**Arjun Yodh**, *Univ. of Pennsylvania,  
 USA*

**Nikolay Zheludev**, *Univ. of  
 Southampton, UK*

**Xiang Zhang**, *UCLA, USA*

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