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Nigel P. Johnson
Ekmel Özbay
Richard W. Ziolkowski
Nikolay I. Zheludev
Editors

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Introduction

The controversy once associated with metamaterials, artificial subwavelength structures which involve the interaction of electromagnetic radiation, has now subsided. As the subject evolves, optical and nano-metamaterials have become more prominent. This was reflected in the large number of papers presented in the sessions entitled Lensing, Optical Metamaterials and Cloaking, and Nano-Metamaterials. Convergence with some aspects of plasmonics is also evident. Three-dimensional fabrication methods and novel structures were well represented covering three sessions. Tuning and switching of metamaterials continues to move the topic closer to devices. Once again in this meeting, we placed emphasis on optical (and infrared) metamaterials, but also include the important terahertz region. The opening session put many of these aspects in context.

Brussels was the new host for this conference with the venue ideally situated in the heart of the city. Some contributors may have had an unexpected extended stay and found unusual modes of transport home, but we trust this is not the only reason for a memorable conference. This conference is the fifth in the series of metamaterials—the first occurring at the SPIE meeting in Warsaw 2005, followed by Prague in 2007, Strasbourg in 2008, and returning to Prague in 2009. It is hoped that the tradition of an eastern and western European venue will continue.

The chairs of the meeting would like to thank all contributors to the conference, the SPIE team, and the programme committee.

Nigel P. Johnson
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Richard W. Ziolkowski
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