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Localization: Materials Research Society Symposium Proceedings: Volume 1182

Editors: Luca Dal Negro, Mark Brongersma, Joseph M. Fukumoto and Lukas Novotny

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Plasmonics, Metamaterials
and Light Localization**

Symposium held April 14–17, 2009, San Francisco, California, U.S.A.

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PREFACE

This proceeding volume collects the papers presented at Symposium EE, "Materials for Nanophotonics — Plasmonics, Metamaterials and Light Localization," held April 14–17 at the 2009 MRS Spring Meeting in San Francisco, California. The symposium covered fundamental aspects and the advanced applications of nanoplasmonics, and it was intended to bridge, for the first time, three closely related research fields: nanoplasmonics, metamaterials, and light localization in complex media.

The engineering of light localization, optical dispersion and plasmonic fields in complex optical media has the potential to boost the scaling of optical technologies below the diffraction limit, opening unprecedented opportunities for basic and applied research.

This volume gathers peer-reviewed papers that address key challenges in materials fabrication, nanoplasmonics, and metamaterials.

The Editors would like to thank all the authors of the proceedings papers and the reviewers who, by responding promptly and by providing their thoughtful comments, have improved the quality of this special issue and allowed us to present a contribution that is both timely and of high-scientific quality. Finally, we greatly thank Prof. Lukas Novotny and Dr. Joseph M. Fukumoto for their significant contributions across all the stages of the symposium organization.

Luca Dal Negro
Mark Brongersma
Joseph M. Fukumoto
Lukas Novotny

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