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Photonic and Phononic Crystal Materials and Devices IX

**Ali Adibi
Shawn-Yu Lin
Axel Scherer**
Editors

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Introduction

The field of photonic crystals has grown considerably during the last few years. Several research groups all over the world have produced interesting results in understanding the basic concepts as well as in fabrication and characterization of photonic crystals. The produced results have appeared in high-caliber journals such as *Nature* and *Science* as well as in specialized international conferences. More recently, activities in phononic crystals have resulted in very interesting acoustic phenomena and devices using these periodic structures.

This year was another great experience running the SPIE Photonic and Phononic Crystal Materials and Devices conference at Photonics West in San Jose, California. The main goal of the conference chairs was to bring together the scientific output of as many active groups in the field as possible. We tried to involve as many world-known experts in fabrication, simulation, and characterization of photonic and phononic crystals as possible. We also added two special sessions on plasmonics with some of the leaders of the field presenting their work.

As in previous years, the conference was very successful in bringing together researchers from a wide geographical area. The conference drew close to fifty presentations on the various aspects of photonic crystals. All conference sessions drew large and vocal crowds. The attitude of the conference was very positive with a great deal of excitement about the future of photonic and phononic crystals.

Special thanks are due to all invited speakers who contributed such exciting talks. Special thanks are also due to the program committee and session chairs, and to all presenters and participants for making this conference a success. We look forward to again meeting and hearing of each other's progress at Photonic West next year.

Ali Adibi
Shawn-Yu Lin
Axel Scherer

