

## Introduction

This special issue is a collection of papers presented in Symposium D, Semiconductor Photonics: Nano-structured Materials and Devices, in the International Conference on Materials for Advanced Technologies (ICMAT) 2007. The conference was organized by the Singapore Materials Research Society and held in Singapore on July 1-6, 2007. It was co-sponsored by the National University of Singapore, the Institute of Materials Research and Engineering and the Nanyang Technological University. The symposium attracted 157 registered participants from Asia Pacific, Europe and USA. The papers and presentations cover a wide range of topics in nano-structure related semiconductor photonics, such as quantum dot, quantum wire, nano-wire, nano-rod, nano-crystals, photonic crystals, ZnO material, III-V compound semiconductors, Si photonics, and organic optoelectronic devices. Only original research papers, which have been peer reviewed, are collected in this special issue. We hope this issue will be a useful reference for some of the recent progress in the active and wide-ranging area of semiconductor photonics in both materials and devices. We would like to thank all the authors and the reviewers of the papers published in this issue for their invaluable contributions.

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