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Luminescence and Luminescent Materials

Editors: Peter C. Schmidt, Kailash C. Mishra, Baldassare Di Bartolo, Joanna McKittrick
and A. M. Srivastava

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Luminescence and Luminescent Materials

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PREFACE

This volume contains papers from Symposium G, "Luminescence and Luminescent Materials," held April 17–19 at the 2001 MRS Spring Meeting in San Francisco, California. The symposium comprised seven sessions, six of them dedicated to the presentation of papers and one to posters. The participation and the attendance were very good, pointing to the continuous interest in luminescence phenomena.

The papers that appear in this volume include both invited and solicited papers from various countries on different aspects of luminescence. The main themes ranged from theory and modeling, characterization of luminescent materials, systems with confined structures such as nano-crystallites and quantum wells and dots, to synthesis and devices.

The great interest of the participants in the subject of our symposium reinforces our belief that luminescence is presently and will continue to be a challenging field of research in materials science, solid state physics and chemistry. Recent progress in opto-electronic and display technology will drive this field in the search for new luminescent materials. Demands on new procedures for synthesis, and understanding underlying luminescence processes in these materials will create new opportunities for both fundamental and applied research in luminescence. We sincerely hope that this volume will contribute to furthering our knowledge and interest in this area.

The editors would like to thank the individual contributors, and the referees whose contributions to the quality of this volume cannot be overstated. We also would like to thank Dr. M. Stephan for his assistance in editing this volume.

Peter C. Schmidt
Kailash C. Mishra
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Joanna McKittrick
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