Foreword

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We are pleased to introduce a special section, “Selected Topics in Applied Physics”, which runs as a regular series in JJAP. The special section highlights a specific topic in applied physics, which is selected by the JJAP editorial board. This section features rapidly developing current trends in the selected research area or, from a specific viewpoint, topics of interest in applied physics and its related interdisciplines.

For the first topic of this section, we have invited highly active researchers to contribute their recent research articles from the 65th Applied Physics Meeting, September 2004, Sendai, Japan, on carbon nanotubes, which have recently made significant progress. The variety of research areas, are widely spread from fundamental analysis to real industrial applications. We express our appreciation to the researchers’ contributions and guest editors’ time and effort, and are pleased to obtain papers under the following categories that further drive and contribute to the progress in carbon nanotube research.

- Theoretical analysis of carbon nanotubes
- New physics of carbon nanotubes
- New growth processes
- New fabrication processes
- New evaluation techniques for carbon nanotubes
- Electron and optical devices fabricated from carbon nanotubes

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