Preface I

Special Section on “Visualization and Simulation Software”

We are pleased to present the special section entitled “Semiconductor Device Simulation” in the Journal of Advanced Simulation in Science and Engineering. It goes without saying that the computer simulation is an essential part of the modern semiconductor device design, and the continuous progress in semiconductor technologies requires more and more powerful device simulators that can simulate complex and multi-scale physical phenomena in a variety of materials. So, this special section is focused on the recent challenges and developments in the field of device simulation and modeling, including the fundamental electron transport models, novel numerical methodologies, and applications. We believe that these fruits of research will contribute further continuous evolution of the semiconductor device technology in the future.

Finally, the editorial committee would like to thank the contributors of this special section. They would also like to thank the reviewers for their dedicated effort.

Koji Koyamada and Satoshi Tanaka
Guest Editors

Guest Editorial Committee

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Satoshi Tanaka (Ritsumeikan University) for simulation software

Guest Associate Editors
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