
FOREWORD

Special Section on Fundamentals and Applications of Advanced Semiconductor Devices

Semiconductor devices and their integrated circuits are key components in recent electronics. For future intelligent and green electronics, new-functional devices featuring high performance and lower power consumption are highly required. This special section on Fundamentals and Applications of Advanced Semiconductor Devices is arranged to discuss fundamentals and applications of semiconductor devices for future advanced electronics. This section contains 11 papers, which cover the fields of advanced transistors, high-power devices, nanodevice, solar cells, displays, memory, and advanced circuit technologies.

I would like to express my thanks to all authors for their contributions to the special section. I also thank all reviewers and editorial committee members for their devoted contribution to reviewing and editing the papers. This special section could not be achieved without their efforts.

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Yuzo Ohno (*Member*) received the B.S., M.S., and Ph.D. degrees from the University of Tokyo, Japan, in 1991, 1993, and 1996, respectively, all in electronics engineering. He had been an assistant professor at Research Institute of Electrical Communication, Tohoku University from 1996 and became an associate professor in 2001. From 2012, he has been a professor at University of Tsukuba. He is currently working on the physics and application of coherent spin dynamics in semiconductor nanostructures.

