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## FOREWORD

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### Special Section on Recent Progress in Organoelectronic Materials and Their Applications for Nanotechnology

Recently electronic devices using various kinds of materials and developments of nano-science technology have been required in addition to well known Si devices and technology. Novel devices and nano-devices are expected particularly in the field of organoelectronics. This special section focused on a recent progress in nano-scaled organoelectronics, the research of novel functions and issues originated at the interface of organic and inorganic materials fields, and comprehensive investigations from micro- to nano-scale devices. Then this special section was published to grasp the current progress and issues in the above-mentioned fields, and to contribute a coming development in research a lot for related researchers.

First of all the latest productions with a respect of noble molecules-manipulating techniques and/or nano-scaled ion-sensor devices applying a surface-plasmon resonance are reviewed in the two invited papers from the research groups of Chiba university and Niigata university, respectively. Furthermore the contributed papers are classified in the following category; solar-cells, transistors, electro-luminescence devices, optical sensors, and nano-carbon materials. Here progressed electronic applications of organic materials are widely covered.

We are pleased to publish the excellent contributed works and expect that this special section will encourage and assist many researchers to promote aggressive researches and developments on organoelectronics.

Sincerely yours.

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Hiroshi Yamamoto, Guest Chief Editor

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**Hiroshi Yamamoto** (*Fellow*) received B.S. and M.S. from Kyushu Institute of Technology in 1974 and Tokyo Institute of Technology in 1976, respectively. He received Dr. Sci. in Eng. degree from Tokyo Institute of Technology in 1979. He was a Research assistant, a Lecturer and an Associate Professor at Nihon University from 1979 till 1994, and appointed a Professor in 1995. Since 2008, he has been a vice-dean of College of Sci. & Technol., Nihon University. His current work involves Materials Science and Technology in the fields of Superconducting and/or Nano-Molecular Electronics thin films.

