FOREWORD

Special Section on Science and Technology for Smart Energy Management

Energy distribution has been traditionally managed and regulated by regional power and gas suppliers. Due to nonlinear dynamics with multiple time-scale and multi-physics, this has been a very challenging task, especially on the demand side or energy consumers. Currently, we intend to overcome these challenges through the integration of information, communication, energy, power, and control technologies. Understanding nonlinear dynamics of this complex engineered system is the key enabler to accomplishing energy distribution in a robust and intelligent way. The Special Section of **NOLTA** addresses recent progress on science and technology for smart energy management, in particular, electrical energy applications. Among the topics to be covered in the Special Section are:

- Development of methodologies and tools for smart energy management;
- Application of nonlinear theory to analysis of electrical energy systems.

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Takashi Hikiyara and Igor Mezić
Editors for the Special Section

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