Preface

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In recent years, neural networks and artificial intelligence have attracted much attention to not only the scientific and technological communities but also to the people all over the world. In order to promote neural network studies extensively, Asia-Pacific Neural Network Assembly (APNNA) was reorganized to the new society, Asia-Pacific Neural Network Society (APNNS) in 2016.

Thus, the twenty-third International Conference on Neural Information Processing (ICONIP2016) held in Kyoto, Japan, was the first Annual Conference of APNNS and it was cosponsored by the Japanese Neural Network Society (JNNS).

ICONIP2016 gathered 431 submissions from 38 countries and regions, and 306 papers were accepted for presentation.

The aim of this special issue is to bring the latest development of learning algorithms for neural networks, including both theoretical and application studies in association with ICONIP2016. As a result, the guest editorial board received 37 extended papers from ICONIP 2016 and 17 papers were selected for publication in this issue through rigorous reviews. The guest editors would like to thank all the authors, reviewers and editors who contributed to this special issue.

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