FOREWORD

Special Section on Data Mining and Statistical Science

Recent development of Internet environment enables us to access a wide variety of massive-scale complex data in a fast and inexpensive manner. Thus, analyzing such data in an intelligent and computationally efficient way is an important challenge in the data mining and statistical science community. Machine learning has been attracting considerable attention as useful data processing tools, and its diverse aspects ranging from fundamental theory to real-world applications have been investigated thoroughly. This special section aims at featuring novel methodological development as well as state-of-the-art applications of data mining and statistical science technology under the discipline of machine learning.

We received 17 submissions for this special section, and decided to accept 7 papers through rigorous reviewing process.

All the members of the editorial committee would like to acknowledge authors of the submitted papers for their valuable contributions and reviewers for their cooperation in completing the review process under the tight schedule.

Special Section Editorial Committee Members:
Guest Associate Editors: Tomoyuki Higuchi (The Institute of Statistical Mathematics), Tsuyoshi Ide (IBM Research), Akihiro Inokuchi (Osaka University), Toshihiro Kamishima (National Institute of Advanced Industrial Science and Technology), Hiroyuki Minami (Hokkaido University), Shinichi Nakajima (Nikon Corporation), Atsuyoshi Nakamura (Hokkaido University), Koichi Shinoda (Tokyo Institute of Technology), Koji Tsuda (National Institute of Advanced Industrial Science and Technology), Takashi Washio (Osaka University)

Masashi Sugiyama, Guest Editor-in-Chief

Masashi Sugiyama *(Senior Member)* was born in Osaka, Japan, in 1974. He received the degrees of Bachelor of Engineering, Master of Engineering, and Doctor of Engineering in Computer Science from Tokyo Institute of Technology, Japan in 1997, 1999, and 2001, respectively. In 2001, he was appointed as Assistant Professor in the same institute, and from 2003, he is Associate Professor. He received Alexander von Humboldt Foundation Research Fellowship and stayed at Fraunhofer Institute, Berlin, Germany, from 2003 to 2004. In 2006, he received European Commission Program Erasmus Mundus Scholarship and stayed at University of Edinburgh, Edinburgh, UK. He was awarded Faculty Award from IBM in 2007 for his contribution to machine learning under non-stationarity. His research interest includes theories and algorithms of machine learning and data mining, and a wide range of applications such as signal processing, image processing, and robot control.