
FOREWORD

Special Section on Data Engineering and Information Management

It is our great pleasure to publish this special section on data engineering and information management. The Forum on Data Engineering and Information Management (DEIM) has been recognized as the largest forum in Japan, collecting a broad spectrum of academic and industrial research presentations related to data engineering and information management. DEIM2021 was held as an online conference under the influence of the COVID-19 pandemic. Despite being held online for the second consecutive year, the number of participants has exceeded a record high of 1,000. This indicates that the epidemic of an unknown infectious disease virus has unexpectedly caused a great deal of attention in data-driven research. In connection with DEIM 2021, we planned to publish this special section in the Transactions on Information and Systems from the Institute of Electronics, Information and Communication Engineers (IEICE). We invited submissions of papers in the broad areas of data engineering and information management, and particularly encouraged submissions on topics of emerging interest in engineering and management of Big Data.

The editorial committee received 14 regular and 1 short papers from Japan, China, Korea, and Taiwan. The received papers had a wide variety of topics, such as continuous similarity search, dynamic fault tolerance, multi-agent learning, etc. After all the paper were carefully reviewed by two anonymous referees, the editorial committee members deeply discussed the quality and significance of each paper based on the review reports. The editorial committee has finally selected 8 papers, and therefore, these papers are high quality research achievements in the field of data engineering.

Lastly, we would like to thank not only all the authors who submitted their contributions, but also the referees and the editorial committee members for their dedicated efforts to the reviewing process. We would also like to express our gratitude to Guest Editors, Prof. Yu Suzuki at Gifu University, Prof. Chiemi Watanabe at Tsukuba University of Technology, and Dr. Yasuhiko Kanemasa at Fujitsu who supported us and adequately organized all the editing process of this special section.

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Shohei Yokoyama (*Member*) received a B.E. degree, M.E. degree and Ph.D. from Tokyo Metropolitan University, Japan, in 2001, 2003 and 2006, respectively. He has been an associate professor at Department of Systems Design, Tokyo Metropolitan University since 2018. His research interests include Social Bigdata Analysis and Utilization of large-scale sensor data in 5G networks. He is a member of IPSJ and DBSJ.

