# 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 Forum) has been recognized as the largest forum of its kind in Japan, collecting a broad spectrum of academic and industrial research presentations related to data engineering and information management.

The DEIM Forum 2023 was held in an "inline hybrid style," both online and in Gifu. All presenters presented online and a poster offline. The number of participants was close to 700, compared to around 600 participants a few years ago when it was held offline, and we believe that this is proof that we succeeded in maximizing the advantages of holding the conference in this strange hybrid style.

In connection with DEIM Forum 2023, 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 17 full papers and one letter paper and assigned at least two anonymous referees to review each paper. The received papers had a wide variety of topics, such as social network services, data mining, recommender systems, graph databases etc. After the deep and intensive reviews, the editorial committee members discussed in depth the quality and significance of each paper based on the review reports. The editorial committee finally selected 7 full papers, and therefore, these papers are high quality research achievements in the field of data engineering and information management.

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. I would also like to express my gratitude to Guest Editors, Dr. Yasuhiko Kanemasa at Fujitsu, Prof. Yu Suzuki at Gifu University, Prof. Hiroyuki Toda at Yokohama City University, and Prof. Kei Wakabayashi at University of Tsukuba, for excellent organization of the entire editing process.

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**Yu Suzuki** (*Senior Member*) received a Ph.D. degree in Information Science from the Nara Institute of Science and Technology, Japan, in 2004. He has been the associate professor at Faculty of Engineering, Gifu University, Japan, since 2019. His research interests include database technology, parallel processing, and geospatial information systems. He is a member of ACM, IEICE Computer, IPSJ and DBSJ.