
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 advent of so-called Big Data era fosters active research and development on data engineering and information management technologies. The fourth Forum on Data Engineering and Information Management (DEIM Forum 2012), held in March 2012 in Kobe, has grown to one of the largest conferences in Japan collecting a broad spectrum of academic and industrial research presentations related to data engineering and information management. In connection with the DEIM Forum, it was planned to publish this special section in IEICE Transactions on Information and Systems.

The editorial committee received 25 papers, and reviewed each paper by two anonymous referees. After the deep and intensive reviews, the editorial committee has finally selected 6 papers (including 1 letter) offering high-quality and outstanding research results. Those papers cover a wide range of topics; spatial DB, event DB, multimedia DB, and advanced search. It deserves special mention that extensive attentions are paid to the recent research trend for leveraging Big Data more efficiently, effectively and practically.

Lastly, I would like to thank the referees and the editorial committee members for their dedicated efforts. I would also like to express my gratitude to Guest Editors, Dr. Kaname Harumoto of Osaka University and Dr. Makoto Onizuka of NTT, for excellent organization of the entire editing process. I hope that this special section contributes to the continued success and growth of data engineering and information management research community.

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Koji Zettsu (*Nonmember*) received B.E. degree from Tokyo Institute of Technology in 1992 and Ph.D in Informatics from Kyoto University in 2005. He is a Director of Information Services Platform Laboratory at Universal Communication Research Institute of National Institute of Information and Communications Technology (NICT), Japan. He is a visiting associate professor of Kyoto University, Osaka University and Nara Institute of Science and Technology. He was a visiting researcher of Christian-Albrechts-University Kiel, Germany in 2009. He was the technical editor of Value-creating Network sub-working group of New Generation Network Forum, Japan from 2009 to 2010. He was in IBM Yamato Software Laboratory from 1992 to 2003. His research interests are information retrieval, databases, data mining, and software engineering. He is a member of IPSJ, DBSJ and ACM.

