
FOREWORD

Special Section on Log Data Usage Technology and Office Information Systems

This special section aims to introduce more practical information systems that can utilize various log data in the so-called big data era. In this era, many types of logs, including customer purchase history, medication logs, and articles posted on Social Network Service (SNS), are stored on a daily basis, and they can be significantly boosted by Internet of Things (IoT) devices and products. Leveraging such log data is a key research direction toward a better information society. While log data visualization and analysis can improve the performance of applications and servers, logging management can be a very time-consuming process when it is not optimized with the right tools. For this reason, new ideas and approaches are needed to log and process big data. In this special section, we welcomed submissions related to various techniques for log-data processing, data sharing, and anonymization. The authors were encouraged to submit research works on office information systems and practical log-based applications.

For this special section, we received eight submissions: one invited paper, four full papers, and three letters. After our editors' and reviewers' rigorous and objective review, seven papers, including two letters, were selected for publication.

I would like to sincerely thank all the authors for their valuable contributions and the reviewers for their constructive comments. I would also like to thank the team of Guest Associate Editor-in-Chiefs and Guest Associate Editors for their support and efforts in making this special section a success.

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Shigeaki Tanimoto (*Senior Member*) received B.E., M.E., and Dr.E. degrees from Tokushima University, Japan, in 1982, 1984, and 1997, respectively. He is currently a professor at Chiba Institute of Technology. His research interests include information security management, especially multi-layered defense security systems for IoT, cloud computing, and fog computing, etc. He is a senior member of the Information Processing Society of Japan (IPSJ) and the Institute of Electrical and Electronics Engineers (IEEE).

