Special Issue on Mobile Computing and Ubiquitous Networking for IoT Society

Preface

Sensing and IoT technologies play an important role in improving the quality and efficiency of our lives with the concept of a smart city and society. Our society is now supported by information and communication technologies, which often consist of a combination of a wide range of technologies including mobile computing, networking, algorithms, optimization, AI, cloud and edge computing, human-machine interaction, security, and sensing. To enhance the development of new services and applications, it is essential to conduct multidisciplinary research in a wide range of fields. In addition, mobile services and applications nowadays are required to consider both technical and human-centric aspects.

The scope of this special issue entitled, "Mobile Computing and Ubiquitous Networking for IoT Society", includes a wide range of fields from the perspective of mobile computing, sensing, and networking. Several papers are invited from the 14th International Conference on Mobile Computing and Ubiquitous Networking (ICMU2023), which treats a wide range of papers described above. With these papers, we expect to contribute to IoT society by providing multidisciplinary research papers in these fields.

In this special issue, selected papers on sensing and IoT technologies are presented. The first paper is on a method for guiding vehicles to optimize urban traffic. The next two papers are on recognition tasks related to the typical use of keyboards and touch screens. The following two papers introduce technologies related to monitoring people using health sensors and cameras. The final two papers provide techniques for utilizing augmented reality technologies in our lives. Each of these papers has its specific topic, but they are all interconnected from the perspective of a smart city/society.

We would like to express our sincerest gratitude to the respected editorial staff, the authors of the papers, and the reviewers for their contributions to the publication of this special issue of *Sensors and Materials*. We believe this special issue contributes to improving technologies for the upcoming smart world.

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