Special Issue on Advanced Data Sensing and Processing Technologies for Smart Community and Smart Life

Preface

The digital transformation of our society has ushered in a new era of convenience and advancement, profoundly impacting our lifestyles. Central to this transformation are the concepts of the smart community and smart life, made possible by the availability of vast amounts of digital data and the rapid development of technologies such as artificial intelligence (AI) and the Internet of Things (IoT). This special issue is dedicated to exploring the cutting-edge data sensing and processing technologies that are pivotal to realizing these smart communities and lifestyles.

For this issue, six excellent papers have been selected. The selected papers cover a diverse range of application areas, including medical image processing, wireless sensor networks, microstrip filtering antenna, image compression for wildlife monitoring, and automatic monitoring for data centers, as well as skin property analysis. I believe this collection will provide valuable insights on and advancements in the ongoing digital transformation, offering a glimpse into the future of our increasingly interconnected world.

I would like to extend our heartfelt gratitude to all the authors and reviewers who contributed to this special issue. Their dedication, hard work, and expertise have been invaluable in bringing this collection to fruition. Additionally, I would like to express our sincere appreciation to Ms. Momoko Kawamura for her tireless efforts and significant contributions to the editorial process. Her support has been instrumental in the successful completion of this special issue.

Prof. Tatsuya Yamazaki
Niigata University
Japan