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Body Area Networks

Smart IoT and Big Data for Intelligent Health

15th EAI International Conference, BODYNETS 2020 Tallinn, Estonia, October 21, 2020 Proceedings



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Preface

We are delighted to preface this book which constitutes the refereed post-conference proceedings of the 15th EAI International Conference on Body Area Networks (EAI BODYNETS 2020). The theme for 2020 was "Smart IoT and Big Data for Intelligent Health Management."

Initially planned to take place in Tallinn, Estonia, the outbreak of the COVID-19 pandemic meant that the conference (like many others), took place as an online event on October 21, 2020.

We received 30 submissions; after a rigorous double-blind review process, 15 papers were selected for the final program. The main topics covered during the conference included connectivity and radio propagation, secure communication networks for smart-health, and connected wearables sensors for healthcare applications.

In addition to the high-quality technical paper presentations, the conference also featured two keynote speeches. Prof. Mohsen Guizani, a Professor at the Computer Science and Engineering Department at Qatar University, Qatar, gave a keynote speech titled "IoT Security Schemes for Healthcare Systems." Helena Gapeyeva (MD, PhD), a Physician of Physical and Medical Rehabilitation at the Clinic of Medical Rehabilitation in East Tallinn Central Hospital, Estonia, gave a keynote speech titled "Movement analysis in Physical and Rehabilitation Medicine: Data monitoring."

Organizing the conference would not have been possible without the support of the Steering Committee: the chair Imrich Chlamtac and members Jun Suzuki, Giancarlo Fortino, Matti Hämäläinen, and Lorenzo Mucchi. We warmly thank them for their support and guidance. We also extend our deep appreciation to the Organizing Committee team for their hard work, and to the technical Program Committee members for carefully reviewing and selecting the papers.

We hope you will enjoy reading and studying the proceedings of BODYNETS 2020, and we look forward to seeing you at the next edition of the conference.

October 2020

Muhammad Mahtab Alam Matti Hämäläinen Lorenzo Mucchi Imran Khan Niazi Yannick Le Moullec

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