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Walayat Hussain · Mian Ahmad Jan (Eds.)

IoT as a Service

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Proceedings

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Preface

It is my great pleasure to introduce the proceedings of the seventh edition of the European Alliance for Innovation (EAI) International Conference on the Internet of Things (IoT) as a Service (IoTaaS 2021).

The Internet of Things (IoT) plays a vital role in the existing and future generation of information, communication, and applications. IoT is typically employed to improve the efficiency of computing and sensing and can be used in many scenarios. IoT combines with other leading technologies such as cloud, edge, AI, and Big Data analytics to make human lives and society comfortable. Hybrid technologies are attracting immense research interest and have found their presence in numerous applications such as healthcare, transportation, manufacturing, energy, automation, and many others.

EAI organised this international conference in collaboration with the University of Technology Sydney, Australia. IoTaaS 2021 aimed to bring together researchers, academicians, students, practitioners, and professionals from academia and industry interested in creating IoT-based services. The objective of the event was to provide an international forum where researchers could present existing, evolving, or novel ideas and share their views, fostering discussions and future collaborations among different stakeholders. The conference received 129 papers, and after a rigorous peer-review process, only 42% of the papers were accepted. The research contributors of this event came from across the globe, including Australia, China, New Zealand, the UK, Germany, Turkey, Egypt, Saudi Arabia, Pakistan, Kenya, and Iraq. These authors shared their original research and exchanged their ideas, including key research findings, and future research directions.

The technical program of IoTaaS 2021 consisted of 17 full papers in oral presentation sessions at the main conference tracks: Track 1 – Intelligent IoT Communication Solutions; Track 2 – Social Internet of Things: Security, and management; and Track 3 – Machine Learning Prediction and Recommendation in IoT. Aside from the high-quality technical paper presentations, the technical program also featured two keynote speeches given by Fethi Rabhi from the University of New South Wales, Australia, and Halit Hami OZ from Istanbul Gedik University, Turkey.

I want to thank Imrich Chlamtac for his continuous support and guidance. I want to thank all presenters and participants of this event who submitted their research work. We would like to express our sincere gratitude to the inspirational keynote speakers, Program Committee members, and anonymous reviewers for their time and energy to critically reviewed papers. I also want to thank all EAI staff members, particularly the conference manager, Lucia Sladeckova, who made this event possible.

I strongly believe that the IoTaaS conference provides a good forum for all researchers, developers, and practitioners to discuss all science and technology aspects relevant to smart communications.

June 2022

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Mian Ahmad Jan

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