

Lecture Notes in Networks and Systems 376

M. Shamim Kaiser ·
Anirban Bandyopadhyay ·
Kanad Ray · Raghvendra Singh ·
Vishal Nagar *Editors*

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Preface

The 1st International Conference on Trends in Electronics and Health Informatics, TEHI 2021, was held from December 16 to 17, 2021. The conference was hosted by Pranveer Singh Institute of Technology, Kanpur, Uttar Pradesh, India. The TEHI conference series has established itself as the world's premier research forum on electronics and health informatics, which is an emerging interdisciplinary and multidisciplinary research field with joint efforts from artificial intelligence and soft computing, healthcare informatics, IoT and data analytics, electronics and communication technologies. The conference's objective is to bring together researchers, educators, and business professionals involved in related fields of research and development. This volume compiles the peer-reviewed papers presented at the meeting.

The conference on TEHI 2021 attracted 133 full papers from 10 countries in five tracks. These tracks include—artificial intelligence and soft computing, healthcare informatics, IoT and data analytics, electronics and communication. The submitted papers underwent a single-blind review process, soliciting expert opinion from at least two experts: at least two independent reviewers, the track co-chair, and the respective track chair. Following rigorous review reports from the reviewers and the track chairs, the technical program committee has selected 63 high-quality full papers from 09 countries that were accepted for presentation at the conference. Due to the COVID-19 pandemic, the organizing committee decided to host the event in hybrid mode. The research community reacted amazingly in this challenging time.

The volume is insightful and fascinating for those interested in learning about electronics and health informatics that explores the dynamics of exponentially increasing knowledge in core and related fields. We are thankful to the authors who have made a significant contribution to the conference and have developed relevant research and literature in artificial intelligence and soft computing, healthcare informatics, IoT and data analytics, electronics and communication.

We would like to express our gratitude to the organizing committee and the technical committee members for their unconditional support, particularly the chair, the co-chair, and the reviewers. Special thanks to the Prof. Vinay Kumar Pathak, Hon'ble Vice Chancellor, Dr. A. P. J. Abdul Kalam Technical University, Lucknow; Pranveer Singh, Hon'ble Chairman, PSIT, Kanpur; and Dr. Sanjeev Kumar Bhalla, Director,

PSIT, Kanpur, for their thorough support. TCCE 2021 could not have taken place without the tremendous work of the team and the gracious assistance. We would like to thank IEEE UTHM Student Branch. We are grateful to Aninda Bose, Ms. Sharmila Mary Panner Selvam, and other team members of Springer Nature for their continuous support in coordinating this volume publication. We would also like to thank Mr. Md. Mahfuzur Rahman of DIU and Milon Biswas of BUBT for continuous support. Last but not least, we thank all of our contributors and volunteers for their support during this challenging time to make TEHI 2021 a success.

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October 2021

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