

Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering

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Muhammet Nuri Seyman (Ed.)

Electrical and Computer Engineering

First International Congress, ICECENG 2022
Virtual Event, February 9–12, 2022
Proceedings

Preface

This volume contains the papers presented at ICECENG 2022, the first International Congress of Electrical and Computer Engineering, which was held online during February 9–12, 2022, in Bandirma, Turkey. It is a great privilege for us to present the proceedings of ICECENG 2022 to the authors and delegates of the event. We hope that you will find it useful, exciting, and inspiring.

The aim of ICECENG is to bring together researchers, developers, and students in computing, technology trends, artificial intelligence, and security who are interested in studying the application of formal methods to the construction and analysis of models describing technological processes at both micro and macro levels. ICECENG also aims to provide a platform for discussing the issues, challenges, opportunities, and findings of computer engineering research. The ever-changing scope and rapid development of engineering create new problems and questions, resulting in the real need for sharing brilliant ideas and stimulating good awareness of this important research field. Our conference seeks to provide some answers and explore the processes, actions, challenges, and outcomes of learning and teaching.

In response to the call for papers, the Program Committee received 48 submissions and selected 17 of them to be included in the conference program. Unfortunately, many manuscripts from prestigious institutions could not be accepted due to the reviewing outcomes and our capacity constraints. Each paper was reviewed, on average, by three referees and the selection was based on originality, quality, and relevance to the conference. The scientific program consisted of papers on a wide variety of topics, including IoT, machine-to-machine, biometrics, and, more generally, deep learning and machine learning.

We would like to thank the people, institutions, and companies that contributed to the success of this first edition of ICECENG 2022. We would like to extend our thanks to the keynote speakers, Ali Can Karaca, Yildiz Teknik University, and Ilyas Ozer, Bandirma Onyedi Eylul University, for their hard work. We would also like to express our gratitude and appreciation for all of the reviewers for their constructive comments on the papers. We acknowledge Springer for publishing the proceedings of ICECENG 2022 and Microsoft CMT management system for providing a useful platform for conference administration.

We hope this first edition of the conference will serve as a springboard for collaborations, projects, and all future editions of ICECENG 2022.

March 2022

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