Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering 329

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Yifan Chen · Tadashi Nakano ·
Lin Lin · Mohammad Upal Mahfuz ·
Weisi Guo (Eds.)

Bio-inspired Information and Communication Technologies

12th EAI International Conference, BICT 2020
Shanghai, China, July 7–8, 2020
Proceedings

Springer

Editors
Yifan Chen
University of Electronic Science and Technology of China
Chengdu, China

Lin Lin
Tongji University
Shanghai, China

Weisi Guo
School of Engineering
Cranfield University
Cranfield, UK

Tadashi Nakano
Osaka University
Osaka, Japan

Mohammad Upal Mahfuz
Resch School of Engineering
University of Wisconsiin-Green Bay
Green Bay, WI, USA

ISSN 1867-8211 ISSN 1867-822X (electronic)
Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering
ISBN 978-3-030-57114-6 ISBN 978-3-030-57115-3 (eBook)
https://doi.org/10.1007/978-3-030-57115-3

This Springer imprint is published by the registered company Springer Nature Switzerland AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

We are delighted to introduce the proceedings of the 12th EAI International Conference on Bio-inspired Information and Communications Technologies (BICT 2020). Consistent with the goal of prior editions, BICT 2020 aims to provide a world-leading and multidisciplinary venue for researchers and practitioners in diverse disciplines that seek the understanding of key principles, processes, and mechanisms in biological systems and leverage those understandings to develop novel information and communications technologies (ICT). This year, due to the safety concerns and travel restrictions caused by COVID-19, EAI BICT 2020 took place online in a livestream.

In addition to the main track targeting broad and mainstream research topics, BICT 2020 included four special tracks with focused research topics, including (1) Internet of Everything, organized by Qiang Liu (University of Electronic Science and Technology of China, China); Intelligent Internet of Things and Network Applications, organized by Fan-Hsun Tseng (National Taiwan Normal University, Taiwan); Intelligent Sensor Network, organized by Peng He (Chongqing University of Posts and Telecommunications, China) and Yue Sun (Chengdu University of Technology, China); and Data-Driven Intelligent Modeling, Application and Optimization, organized by Hengyu Li and Jianguo Wang (both Shanghai University, China). BICT 2020 also included the workshop on Applications, Testbeds, and Simulation Design for Molecular Communication (ATSDMC 2020) organized by M. Şükrü Kuran (Bahcesehir University, Turkey), H. Birkan Yilmaz (Polytechnic University of Catalonia, Spain), and Ali Emre Pusane (Bogazici University, Turkey). We appreciate all the special track and workshop chairs for their tremendous efforts to organize the excellent special tracks and workshop.

This year, we received 56 paper submissions and accepted 20 papers as full papers and 8 papers as short papers. We appreciate our Program Committee (PC) members for their hard work in reviewing papers carefully and rigorously. With our congratulations to the authors of accepted papers, the BICT 2020 conference proceedings consists of 28 high-quality papers.

The organization of the BICT 2020 conference proceedings relies on the contributions by Organizing Committee members as well as PC members. It was our privilege to work with these respected colleagues. Last but not least, special thanks go to the EAI, particularly Karolina Marcinova, for helping us organize BICT 2020 and publish these proceedings successfully.

July 2020

Yifan Chen
Tadashi Nakano
Lin Lin
Mohammad Mahfuz
Weisi Guo

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