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Hector Florez · Cesar Diaz
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Applied Informatics

First International Conference, ICAI 2018
Bogotá, Colombia, November 1–3, 2018
Proceedings

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Preface

The First International Conference on Applied Informatics (ICAI 2018) aimed to bring together researchers and practitioners working in different domains in the field of informatics in order to exchange expertise and discuss the perspectives of development and collaboration.

ICAI 2018 was held at the Universidad de Bogotá Jorge Tadeo Lozano in Bogotá, Colombia, during November 1–3, 2018. It was organized by the Information Technologies Innovation (ITI) research group that belongs to the Universidad Distrital Francisco José de Caldas and the Data Engineering and Intelligent Systems (ID & SI) research group that belongs to the Universidad de Bogotá Jorge Tadeo Lozano. In addition, ICAI 2018 was proudly sponsored by: University of Central Florida, Springer, ACIS, Cyxtera, itPerforma, and Manar Technologies.

We received 81 submissions on informatics topics such as data analysis, decision systems, health-care information systems, IT architectures, learning management systems, mobile information processing systems, robotic autonomy, and software design engineering. Authors of the 81 submissions came from the following 14 countries: Argentina, Brazil, China, Colombia, Ecuador, Germany, India, Lithuania, Mexico, Namibia, Nigeria, South Africa, Spain, and USA. Moreover, 11 of the 81 submissions are international collaborations.

All submissions were reviewed through a double-blind peer-review process. Each paper was reviewed by at least three experts. To achieve this, ICAI 2018 was supported by 82 Program Committee (PC) members, who hold PhD degrees. PC members come from the following 20 countries: Argentina, Austria, Brazil, Canada, China, Colombia, Ecuador, France, Germany, Latvia, Luxembourg, Mexico, The Netherlands, Romania, Spain, Sweden, Switzerland, UK, USA, and Uruguay. Based on the double-blind review process, 27 full papers were accepted to be included in this volume of *Communications in Computer and Information Sciences* (CCIS) proceedings published by Springer.

Finally, we would like to thank Jorge Nakahara, Alfred Hofmann, Leonie Kunz, and Raghuram Balasubramanian from Springer for their helpful advice, guidance, and support in publishing the proceedings

November 2018

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