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Sule Yildirim Yayilgan ·
Imran Sarwar Bajwa · Filippo Sanfilippo (Eds.)

Intelligent Technologies and Applications

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Revised Selected Papers

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Preface

The present book includes accepted papers of the 3rd International Conference on Intelligent Technologies and Applications (INTAP 2020), held in Gjøvik, Norway during September 28-30, 2020, organized and hosted by NTNU, Norway and IEEE Norway. The conference was sponsored by the Research Council of Norway and EuroAI and was supported by IEEE Norway.

The conference was organized in eight simultaneous tracks: Image, video processing and analysis [3 papers], Security and IoT [4 papers], Health and AI [3 papers], Deep Learning [4], Biometrics [5], Environment [2], Intrusion & Malware Detection [5] and AIRLEAs tracks [8 papers].

INTAP 2020 received 117 submissions, from 27 countries and districts on six continents. After a blind review process, only 34 papers were accepted based on the classifications provided by the Program Committee, resulting in an acceptance rate of 29%. The selected papers come from researchers based in several countries including Albania, United Kingdom, USA, New Zealand, Australia, France, China, Malaysia, Denmark, Norway, Finland, Germany, Greece, Hungary and other countries. The highly diverse audience gave us the opportunity to achieve a good level of understanding of the mutual needs, requirements and technical means available in this field of research.

The selected papers reflect state-of-the-art research in different domains and applications of artificial intelligence and highlight the benefits of intelligent and smart systems in these domains and applications. The high quality standards of research presented will be maintained and reinforced at INTAP 2021, to be held at the University of Agder, Norway, and in future editions of this conference.

Furthermore, INTAP 2020 included five plenary keynote lectures given by Prof. Ole-Christoffer Granmo (University of Agder, Norway), Prof. Sokratis Katsikas (Open University of Cyprus, Cyprus and Norwegian University of Science and Technology), Serena Villata (Centre National de la Recherche Scientifique, France), Ibrahim A. Hameed (Norwegian University of Science and Technology, Norway) and Prof. Frank Dignum (Umeå Universitet, Sweden). We would like to express our appreciation to all of them and in particular to those who took the time to contribute a paper to this book.

On behalf of the conference Organizing Committee, we would like to thank all participants. First of all, the authors, whose high-quality work is the essence of the conference, and the members of the Program Committee, who helped us with their eminent expertise in reviewing and selecting the quality papers for this book. As we know, organizing an international conference requires the efforts of many individuals. We wish to thank also all the members of our Organizing Committee, whose work and commitment were invaluable.

The proceedings editors wish to thank the dedicated Scientific Committee members and all the other reviewers for their contributions. We also thank Springer for their trust and for publishing the proceedings of INTAP 2020.

October 2020

Sule Yildirim Yayilgan
Imran Sarwar Bajwa
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The original version of the book was revised: the book's subtitle was revised. The correction to the book is available at https://doi.org/10.1007/978-3-030-71711-7_35

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Ole-Christoffer Granmo	University of Agder, Norway
Sokratis Katsikas	NTNU, Norway, and Open University of Cyprus, Cyprus
Serena Villata	Centre National de la Recherche Scientifique, France
Ibrahim A. Hameed	Norwegian University of Science and Technology, Norway
Frank Dignum	Umeå universitet, Sweden

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