

The 11th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH-2021)

Preface

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Welcome to ICTH-2021. Information and Communication Technologies (ICTs) continue to evolve and play a vital role in the advancement of modern healthcare and computing research. ICTH-2021 seeks to bring together interdisciplinary researchers, professionals and practitioners from academia and healthcare from around the world. The conference encourages innovative research on recent developments and promising future trends of ICT-based applications, systems, tools, environments and infrastructures in the fields of health/medical care.

ICTH-2021 is held in Leuven, Belgium on November 1-4, 2021. In addition to the keynotes and technical sessions, there are workshops dealing with more specific aspects on ICT and healthcare accompanied the main conference. These workshops each had their own organizing committees and refereeing process. All submitted papers underwent a rigorous peer reviewing process by a technical program committee consisting of an international group of interdisciplinary scientists and engineers. The accepted papers were then revised according to the referees' comments. These papers covered a broad range of topics within the field of: Intelligent Service Systems, Virtual Environments for Healthcare, Context Aware Applications for Patient Monitoring, Diagnostic and Therapeutic Technologies in Healthcare, Information Management and Knowledge Processing in Healthcare Environments, E-health, m-health, and telemedicine, Usability and Socio-technical Aspects and Real-world Experiments and Case Studies. ICTH 2021 received 58 papers. Based on these reviews, we accepted 20 papers making an acceptance rate of 34%.

One of the goals of the ICTH is to foster collaboration among the scientists and engineers developing the concepts and implementations for ICT in healthcare and the clinical community that is the intended users of this technology. It is our wish and hope that the people participating in the conference will find common ground on which they can learn from each other, and that the conference engenders future fruitful scientific activities. Such collaborative endeavours are necessary for the development of the optimal ICT technology that is so needed to support healthcare. We wish to thank the General Chair, the Steering Committee Chair and Founder, the Workshops' Chairs, the Organizers of the Workshops, the Local Arrangements Chairs, the Publicity Chairs, the Technical Program Committee, the participants, and, most importantly, the researchers who submitted the articles which appear here.

ICTH 2021 Workshops

| Workshop Name | Organizers |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <u>AATCare</u> <i>The 7th International Workshop on Ambient Assisted Technologies for HealthCare</i> | - Naba Haque, KellyOCG, Belgium - Elhadi Shakshuki, Acadia University - Ansar Yasar, Hasselt University, Belgium |
| <u>DUDE</u> <i>International Workshop on Design and Use of Digital Services to Empower Healthcare and Wellbeing</i> | - Heiko Gewald and Philipp Brune, The Neu-Ulm University of Applied, Germany |
| <u>EATH</u> <i>International Workshop on Emerging Advancements and Technologies in Healthcare</i> | - Farrukh Zeshan, COMSATS University Islamabad (CUI), Lahore Campus, Pakistan |
| <u>HODII</u> <i>The 2nd International Workshop on Healthcare Open Data, Intelligence and Interoperability</i> | - Manuel Filipe Vieira Torres Santos and Tiago Guimarães, University of Minho, Portugal |
| <u>PSCare</u> <i>The 8th International Workshop on Privacy and Security in HealthCare</i> | - Mohamed Rasslan and Ghada F. Elkabbany |
| <u>SBDaH</u> <i>International Workshop on Blockchain Security</i> | - Ivan Izonin, Lviv Polytechnic National University, Ukraine |

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