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Smart Objects and Technologies for Social Good

7th EAI International Conference, GOODTECHS 2021
Virtual Event, September 15–17, 2021
Proceedings

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Preface

We are delighted to introduce the proceedings of the 7th edition of the European Alliance for Innovation (EAI) International Conference on Smart Objects and Technologies for Social Good (EAI GOODTECHS 2021) held on September 15–17, 2021. This conference has brought researchers, developers, and practitioners worldwide who are providing experiences with the design, implementation, deployment, operation, and evaluation of smart objects and technologies for social good. Social goods are products and services provided through private enterprises, government, or non-profit institutions and are related to healthcare, safety, sports, environment, democracy, computer science, and human rights. Ultimately, they will benefit people with special needs, including older adults, sport performance, and young people. The conference was organized by the Instituto de Telecomunicações, the leading institution of the General Chair, which provided active support for the organization of this conference.

As the whole world came to a stop due to the COVID-19 outbreak, this conference was not spared either EAI GOODTECHS 2021 was organized as an online conference for the second time in its history. As unfortunate as this situation is, it created an opportunity to provide access to the conference to a much broader audience in this virtual format.

In the 7th edition, the aim of the GOODTECHS conference remained to provide an opportunity for young researchers to present their work to a broader research community and facilitate multidisciplinary and regional collaboration. Despite the participation of scientists from the host country, a substantial number of participants from abroad attended the conference. Building on the success of the past six editions of this conference, this year the conference attracted 53 paper submissions, of which 24 were accepted as full papers, with an acceptance rate for full articles of 45%. The conference program spanned three days and included five keynote lectures attended by up to 50 attendees, which is among the highest attendance number in the history of the conference.

The technical program of EAI GOODTECHS 2021 consisted of 24 full papers in oral presentation sessions in all tracks. The conference tracks included: the main track, the workshop tracks, and the special session tracks. Thus, the conference tracks were: "Main Track", "WIP and Ph.D. track", "Sheldon COST Action CA16226: Solutions for Ageing Well at Home, in the Community and at Work", "International Workshop on Telehealth, patient empowerment, and education through technology", "IoT Healthcare Systems and Cyber Security", "Artificial Intelligence for Inclusiveness", "Cyber-Security and Integration on Social Good and Healthcare Services", and "Technologies for Quantifying Mobility and Health in Older Adults". Aside from the high-quality technical paper presentations, the technical program also featured five keynote speeches. The five keynote speeches were given by the Hugo Plácido da Silva (Instituto de Telecomunicações, Portugal, and Instituto Superior Técnico, University of Lisbon, Portugal); Andrzej Janusz (University of Warsaw, Poland); Miguel Tavares Coimbra (University of Oporto, Portugal); Miguel Pais Clemente (University of Oporto, Portugal); and Henrique Martins (Instituto Universitário de Lisboa, Portugal, and Universidade da Beira Interior, Portugal).

The coordination and organization of the steering chairs, Imrich Chlamtac and Bo Li were essential for the success of the conference. We sincerely appreciate their constant support and guidance. It was also a great pleasure to work with such an excellent Organizing Committee for their hard work while organizing and supporting the conference. In particular, the Technical Program Committee who completed the peer-review process for technical papers and helped to put together a high-quality technical program. We are also grateful to the conference manager, Viltare Plazner, for her support and all the authors who submitted their papers to the EAI GOODTECHS 2021 conference and workshops.

We strongly believe that the EAI GOODTECHS conference provides a good forum for all researchers, developers, and practitioners to discuss all science and technology aspects relevant to social goods. We also expect that the future EAI GOODTECHS conferences will be as successful and stimulating as this year's, indicated by the contributions presented in this volume.

September 2021

Ivan Miguel Pires
Susanna Spinsante
Eftim Zdravevski
Petre Lameski

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