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Intelligent Human Computer Interaction

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Proceedings, Part II


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Preface

The science and technology of Human Computer Interaction (HCI) has taken a giant leap forward in the last few years. This has given impetus to two opposing trends. One divergent trend is to organize separate conferences on focused topics such as Interaction Design, User-Centered Design, etc., which earlier would have been covered under HCI. The other convergent trend is to assimilate new areas into HCI conferences, such as Computing with Words, Prosocial Agents Development, Attention-based Applications, etc. IHCI is one of the rare conferences focusing on those issues of Intelligence and Human Computer Interaction which exist at the crossroads of the abovementioned trends. IHCI is an annual international conference in the Human Computer Interaction field, where we explore research challenges emerging in the complex interaction between machine intelligence and human intelligence. It is a privilege to present the proceedings of the 12th International Conference on Intelligent Human Computer Interaction (IHCI 2020), organized on site and online by the Korea Institute of Convergence Signal Processing (KICSP) during November 24–26, 2020 at EXCO Daegu, South Korea. The twelfth instance of the conference was on the theme of “Intelligent Interaction for Smart Community Services”, having 9 special sessions related to the main theme of the conference.

Out of 175 submitted papers, 93 papers were accepted for oral presentation and publication by the Program Committee, in each case based on the recommendations of at least 3 expert reviewers. The proceedings are organized in 9 sections corresponding to the 9 tracks of the conference. The 12th IHCI conference included keynote and invited talks with powerful expert session chairs who have worked in both industry and academia. It attracted more than 200 participants from more than 27 countries.

IHCI has emerged as the foremost worldwide gathering of the field’s academic researchers, graduate students, top research think tanks, and industry technology developers. Therefore, we believe that the biggest benefit to the participant is the actualization of their goals in the field of HCI. That will ultimately lead to greater success in business, which is ultimately beneficial to society. Moreover, our warm gratitude should be given to all the authors who submitted their work to IHCI 2020. During the submission, review, and editing stages, the EasyChair conference system proved very helpful. We are grateful to the technical program committee (TPC) and local organizing committee for their immeasurable efforts to ensure the success of this conference. Finally we would like to thank our speakers, authors, and participants for their contribution to making IHCI 2020 a stimulating and productive conference. This IHCI conference series cannot achieve yearly milestones without their continued support in future.

November 2020

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