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(Editor)

ICT in Education, Research and Industrial Applications

Proceedings of the 15th International Conference, ICTERI 2019. Volume III: PhD Symposium

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This volume represents the proceedings of the PhD Symposium co-located with the 15th International Conference on ICT in Education, Research, and Industrial Applications, held in Kherson, Ukraine, in June 2019. It comprises 10 contributed papers that were carefully peer-reviewed and selected from 20 submissions for the Symposium.

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Preface

It is our pleasure to present you the proceedings of ICTERI 2019 PhD Symposium being held in conjunction with ICTERI 2019, the Fifteenth International Conference on Information and Communication Technologies in Education, Research, and Industrial Applications: Integration, Harmonization, and Knowledge Transfer. The conference and symposium take place in Kherson (Ukraine) on June 12 - 15, 2019.

This volume thematically follows the scope of ICTERI and is focused on research advances, information systems technologies and applications, business/academic applications of Information and Communication Technologies, the role of ICT in Education. These aspects of ICT research, development, technology transfer, and use in real-world cases are vibrant for both the academic and industrial communities. Therefore, giving the floor to young researchers from academia and industry working toward receiving their PhD was considered a plausible extension for ICTERI 2019.
The Call for Papers of this PhD Symposium was aligned with the thematic scope of ICTERI. It also emphasized that the contributions are sought in the form of extended abstracts explaining and justifying the ideas for PhD projects or short papers presenting the first obtained results. The authors were encouraged to present the results of their research to prove that their ideas are tractable. Young researchers joined the Symposium to take part in discussions and/or present their papers. They were offered an opportunity to exchange and discuss their research ideas with their peers, supervisors, and senior scientists working in the fields within the scope of ICTERI 2019.

Overall the PhD Symposium attracted 20 submissions. Out of these, we have accepted 10 high quality and most interesting papers to be presented at the symposium and published in our proceedings.

The PhD Symposium would not have been possible without the support of many people. First of all, we would like to thank all the authors who submitted papers and thus demonstrated their interest in the research problems within our scope. We are very grateful to the members of our Program Committee for providing timely and thorough reviews.

We hope that all presented in this volume papers will be presented by authors during Symposium sessions and by discussed the session participants.

June, 2019 Grygoriy Zholtkevych

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Oleksandr Spivakovsky's Educational Foundation (**OSEF**, http://spivakovsky.fund/) aims to support gifted young people, outstanding educators, and also those who wish to start up their own business. OSEF activity is focused on the support and further development of educational, scientific, cultural, social and intellectual spheres in the Kherson Region of Ukraine.

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