CAiSE '21

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Proceedings of
Doctoral Consortium Papers

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Preface

This volume of CEUR-WS proceedings includes papers of the Doctoral Consortium held in conjunction with the 33rd International Conference on Advanced Information Systems Engineering – CAiSE 2021. This edition of CAiSE was held in Melbourne, Australia, from 28th of June to 2nd of July. However, due to the pandemic outbreak, the conference and all collocated events took place virtually.

CAiSE has a long tradition of hosting a Doctoral Consortium. The ambition is to increase the participation of PhD students working in the field of information systems engineering, and to offer them the opportunity to present and discuss their research with senior researchers and to get fruitful feedback and advice on their research studies. The Doctoral Consortium is also an occasion to interact with other doctoral students, exchange ideas and experiences, discuss concerns about research topics, supervision, and other career-related issues.

The CAiSE 2021 Doctoral Consortium received 15 submissions and 11 of them have been selected to be presented during the event and to be included in these proceedings. Each paper was evaluated by two senior researchers – mentors of the Doctoral Consortium and received detailed and constructive comments for improving the paper before including it in the proceedings. Presentations were organized in three sessions, during which the mentors provided additional comments and recommendations to the students for their further advancement in their doctoral research project. The rest of the audience was also very supportive and active in providing ideas and comments to the students.

We would like to thank all the people involved in the organization of the event: the CAiSE 2021 organizers, who supported the event; the mentors, who provided the reviews and recommendations to the doctoral students; and the students who accepted to share with us their research ideas and progress and participated in the CAiSE 2021 Doctoral Consortium.

June 2021

Jolita Ralyté
John Krogstie
Chun Ouyang

Doctoral Consortium Organization

Doctoral Consortium Chairs

John Krogstie	Norwegian University of Science and Technology, Norway
Chun Ouyang	Queensland University of Technology, Australia
Jolita Ralyté	University of Geneva, Switzerland

Doctoral Consortium Mentors

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Renata Guizzardi	University of Twente, The Netherlands
Massimo Mecella	Sapienza University of Rome, Italy
Andreas L. Opdahl	University of Bergen, Norway
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Geert Poels	Ghent University, Belgium
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