ICCBR Doctoral Consortium 2022

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Abstract
The thirteenth Doctoral Consortium (DC) was held on September 11-12 2022 in Nancy, France, as part of the 30th International Conference on Case-Based Reasoning.

Preface

The thirteenth ICCBR Doctoral Consortium (DC) was held in September 2022 in Nancy, France. After two years of virtual conferences, in 2022 ICCBR and the DC resumed as an on-site and hybrid event. Since ICCBR 2009, the DC has been an integral part of the annual Case-Based Reasoning conference inviting Ph.D. candidates to submit their research statements to be discussed with senior members of the community.

Ph.D. candidates who applied to the program submitted summaries of their doctoral research. In their research summaries, they detailed the problems they are addressing, outlined their proposed research plans, and described progress to date. We received 16 submissions this year and accepted 10 students to attend the DC. Accepted applicants were paired with mentors who helped them to refine their research summaries in light of reviewer feedback. The updated research summaries, which appear in this volume We are proud to carry on the tradition with a cohort of ten doctoral students from five different countries.

The DC activities kicked off on Sunday, September 11th for a two hour session during which mentees and mentor met to discuss the research statements and made final preparations for the presentation on Monday. Nine out of ten contributions were presented orally during Monday, September 12th. Each student gave a 20 min presentation of their work followed by a discussion led by each mentor.

In the research statement submissions, we could clearly see the trend of developing XAI methods. Craig Pirie, Michael Clemens, Greta Warren, Pedram Salimi, Malavika Suresh, Eoin Delaney all address XCBR in their research focusing on various input data. Innovative applications in sports and health have been presented by Ciara Feely and Paola Marin, while Mark van der Pas presented an approach for Case-Based Reasoning for Manufacturing Incident Handling. Zachary Wilkerson's work on using deep learning (DL) methods to learn features represents the work on pairing DL and CBR.

ICCBR DC'22: Doctoral Consortium at ICCBR-2022, September, 2022, Nancy, France
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We are thankful to the AI Journal for their support of the DC. Together with support from the ICCBR 2022 organizers, we received funding that allowed us to waive the registration fees and cover the accommodation for DC participants. Furthermore, we would like to thank the 17 PC members who gave detailed and valueable feedback on the research statement.

Thank you to all of the students, mentors, and program committee members who worked so hard to make the DC a success.

Kerstin Bach and Stelios Kapetanakis

Nancy, France, September 2022

Program Committee

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