## **ICCBR 2019**



Otzenhausen, Germany

8-12 September, 2019

The 27th International Conference on Case-Based Reasoning (ICCBR 2019)

## **Workshop Proceedings**

Stelios Kapetanakis and Hayley Borck (Editors)

## Preface

We are pleased to present the Workshop Proceedings of the Twenty-seventh International Conference on Case-based Reasoning (ICCBR-19), held on September 8-12, 2019 in Otzenhausen, Germany.

This year brings five workshops: the Case-based Reasoning and Deep Learning, the Explainable Knowledge in Computational Design, Media and Teaching, the workshop on Process-oriented Case-based Reasoning (PO-CBR), the XCBR: Case-Based Reasoning for the Explanation of intelligent systems and the Workshop on CBR in the Health Science. This year also features the proud tradition of the Doctoral Consortium and the Computer Cooking Contest.

We would like to thank all of you who contributed to the success of this workshop program, especially the authors and presenters who provided the research insights comprising the essential substance of the workshops. We would also like to thank all of the Program Committee members for their contributions leading to high-quality submissions, and especially the workshop organisers for their hard work over the past year developing a compelling collection of workshop programs.

Our special thanks go to the program chairs, Kerstin Bach and Cindy Marling; the local chairs, Ralph Bergmann and Klaus-Dieter Althoff and the publicity chairs, Viktor Eisenstadt and Pascal Reuss, for their continuous support, efforts in planning the event, and assistance with producing the proceedings.

We hope that authors and other participants enjoy and are invigorated by this year's workshop program and also find valuable resources in these proceedings for furthering their research. We look forward to a fruitful exchange of ideas in Otzenhausen.

September 2019 Otzenhausen Stelios Kapetanakis Hayley Borck (Workshop Chairs)

## Table of Contents

Case-Based Reasoning and Deep Learning
Explainable Knowledge in Computational Design, Media, and Teaching
Workshop on Process-Oriented Case-Based Reasoning 2019
XCBR: Case-Based Reasoning for the Explanation of Inteligent Systems
Workshop on CBR in the Health Science