

## Preface

The International Workshop on Description Logics is the main annual event of the Description Logic research community. It is the forum at which those interested in description logics, from both academia and industry, meet to discuss ideas, share information, and compare experiences. The workshop explicitly welcomes submissions from researchers that are new to the area and provides quality feedback via peer-reviewing, while at the same time being of an inclusive nature with a very high acceptance rate. There are only informal (electronic) proceedings and inclusion of a paper there is not supposed to preclude its publication at conferences. Further information can be found on the DL webpages at <http://dl.kr.org/>.

This volume contains the papers presented at the 31st International Workshop on Description Logics (DL 2018) held on 27–29 October 2018 in Tempe, Arizona, USA. Every submission to the workshop received three reviews (with 3 exceptions), provided by 55 PC members and 9 additional reviewers. Overall, the committee decided to accept 33 full papers and 11 extended abstracts. The contents of these papers were presented in 22 talks of 20 minutes each, 14 talks of 15 minutes, 8 posters, and 4 supplementary system demos. The programme additionally included three invited talks by Lidia Tendera (University of Opole, Poland), Denny Vrandečić (Google Inc.), and Renata Wassermann (University of São Paulo, Brazil). The talk by Lidia Tendera was funded by the European Association for Artificial Intelligence (EurAI). The talk by Renata Wassermann was part of a joint session with the 17th International Workshop on Non-Monotonic Reasoning (NMR 2018), which also contained three DL talks and one NMR talk.

We take this opportunity to thank all the PC members for their invaluable effort, providing helpful and informative reviews for all the submissions on time. The organisation and reviewing process was simplified by the tools provided by EasyChair and CEUR. The Local Organization Committee of KR 2018 deserve the praise for organising and running the event. We thank Michael Zakharyashev for his contribution to the organisation to the workshop in his role as the general chair. Finally, this workshop would not be possible without the submissions and participation of all the people that make DL such an interesting community. We are also very grateful to the Foundation for Principles of Knowledge Representation and Reasoning (KR Inc.), the Center for Advancing Electronics Dresden (cfaed), and the European Association for Artificial Intelligence (EurAI). For a full list of sponsors, see the workshop homepage <http://dl.kr.org/dl2018>. Their sponsorship made possible the participation of several students and young researchers.

October 2018  
Tempe

Magdalena Ortiz  
Thomas Schneider

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