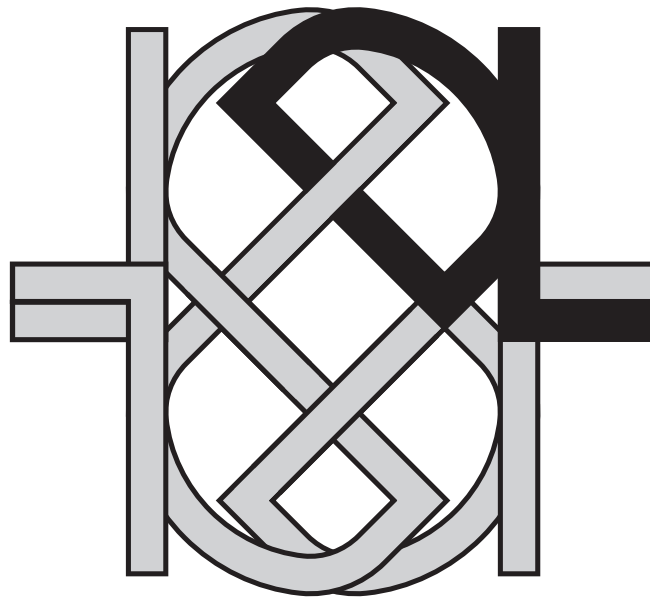


DL 2025



Proceedings of the 38th International Workshop
on Description Logics

Edited by
Lidia Tendera | Yazmin Ibanez Garcia |
Patrick Koopmann

September 3–6, 2025 | Opole, Poland
<https://dl.kr.org>

PREFACE

DL – The International Workshop on Description Logics

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, both from theoretical and more practical viewpoints, 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. Inclusion of a paper in the informal (electronic) DL proceedings at CEUR should not preclude the work from later publication at conferences. Further information can be found on the DL web pages at <http://dl.kr.org/>.

This volume contains the papers presented at the 38th International Workshop on Description Logics (DL 2025), held between September 3 and 6, 2025, in Opole, Poland. Every submission to the workshop received 3 or 4 reviews provided by 52 PC members and 3 additional external reviewers. Overall, the committee decided to accept 22 full papers and 29 extended abstracts. The contents of these papers were presented in 31 oral presentations and 20 posters. The program additionally included three invited talks by Diego Calvanese (Free University of Bozen-Bolzano), Jerzy Marcinkowski (University of Wrocław), and Ana Ozaki (University of Oslo). We thank all the PC members for their invaluable efforts in providing helpful and informative reviews for all submissions on time.

This year’s edition of the workshop was dedicated to Franz Baader, who is retiring this year. His foundational contributions to description logics and beyond have fundamentally shaped the field, and for that, we extend our deepest gratitude. We hope he remains a valued member of our community despite of his formal retirement.

We want to thank the general chair, Lidia Tendera, and the local chairs Bartosz Bednarczyk and Barbara Morawska for all their efforts in preparing the event locally in Opole, as well as the local team consisting of Marek Barycki and Anna Bocheńska-Maciałek. Of course, the workshop would not have been possible without the submissions and participation of all the people that make DL such a great community.

We are also very grateful to our sponsors, namely the School of Embedded Compositional Artificial Intelligence (SECAI), the Center of Perspicuous Computing (CPEC), UnifDL (project No. 2022/47/P/ST6/03196 on "Automation of the Problem of Unification in Description Logics" co-funded by the National Science Center and the European Union Framework Programme for Research and Innovation Horizon 2020 under the Marie Skłodowska-Curie grant agreement No. 945339), and the Artificial Intelligence Journal for providing support and committing funds for the event. The list of sponsors, the detailed program,

and further information for DL 2025 can be found at our event homepage at <https://dl25.cs.uni.opole.pl>.

Lidia Tendera | Yazmin Ibanez Garcia | Patrick Koopmann

DL 2025 Organisation

38th International Workshop on Description Logics

General Chair

Lidia Tendera University of Opole, Poland

Programme Chairs

Yazmin Ibanez Garcia Cardiff University, United Kingdom
Patrick Koopmann Vrije Universiteit Amsterdam, Netherlands

Local Chairs

Bartosz Bednarczyk University of Wrocław, Poland & TU Wien, Austria
Barbara Morawska University of Opole, Poland

Local Organization Team

Marek Barycki University of Opole, Poland
Anna Bocheńska-Maciałek University of Opole, Poland

Programme Committee

Alessandro Artale	Free University of Bolzano-Bozen, Faculty of Computer Science
Franz Baader	Technische Universität Dresden
Bartosz Bednarczyk	University of Wrocław & TU Wien
Meghyn Bienvenu,CNRS	University of Bordeaux
Stefan Borgwardt	Technische Universität Dresden
Elena Botoeva	University of Kent
Camille Bourgaux,CNRS	DI ENS
David Carral	LIRMM, Inria, University of Montpellier, CNRS
Giovanni Casini	ISTI - CNR
Jieying Chen	Vrije Universiteit Amsterdam
Gianluca Cima	Sapienza University of Rome
Bernardo Cuenca Grau	University of Oxford
Oliver Fernández Gil	Technische Universität Dresden
Laura Giordano	DISIT, Università del Piemonte Orientale
Birte Glimm	Universität Ulm
Anselm Haak	University of Paderborn
Jean Christoph Jung	TU Dortmund University
Yevgeny Kazakov	The University of Ulm
Stanislav Kikot	Birkbeck College
Roman Kontchakov	Birkbeck, University of London
Egor V. Kostylev	University of Oslo

Alisa Kovtunova	Technische Universität Dresden
Francesco Kriegel	Technische Universität Dresden
Markus Krötzsch	Technische Universität Dresden
Carsten Lutz	Universität Bremen
Quentin Manière	Universität Leipzig
Lorenzo Marconi	Sapienza University of Rome
Andrea Mazzullo	Free University of Bozen-Bolzano
Thomas Meyer	University of Cape Town and CAIR
Barbara Morawska	University of Opole
Linh Anh Nguyen	Institute of Informatics, University of Warsaw
Ana Ozaki	University of Oslo
Fabio Papacchini	Lancaster University Leipzig
Rafael Peñaloza	University of Milano-Bicocca
Andreas Pieris	The University of Edinburgh
Antonella Poggi	Sapienza University of Rome
Denis Ponomaryov	Ershov Institute of Informatics Systems & Novosibirsk State University
Guendalina Righetti	University of Oslo
Sebastian Rudolph	Technische Universität Dresden
Federico Scafoglieri	Sapienza University of Rome
Stefan Schlobach	Vrije Universiteit Amsterdam
Barış Sertkaya	Frankfurt University of Applied Sciences
Mantas Šimkus	TU Vienna
Viorica Sofronie-Stokkermans	University of Koblenz
Umberto Straccia	ISTI-CNR
David Toman	University of Waterloo
Nicolas Troquard	Gran Sasso Science Institute
Anni-Yasmin Turhan	Paderborn University
Ivan Varzinczak	Université Sorbonne Paris Nord
Grant Weddell	University of Waterloo
Frank Wolter	University of Liverpool
Michael Zakharyashev	Birkbeck College London

Additional Reviewers

Bente Gortworst	TU Wien
Joshua Hirschbrunn	Universität Ulm
Daniele Theseider Dupre	Università del Piemonte Orientale

Steering Committee

Alisa Kovtunova	Technische Universität Dresden
Ana Ozaki	University of Oslo
Bartosz Bednarczyk	University of Wrocław & TU Wien
Camille Bourgaux	DI ENS, ENS, CNRS, PSL University & Inria, Paris
Laura Giordano	Università del Piemonte Orientale
Patrick Koopmann	Vrije Universiteit Amsterdam
Roman Kontchakov	Birkbeck College, London

