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ConfWS 2025
27th International Workshop on Configuration

Bologna, Italy, October 25-26, 2025
Proceedings

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Preface

The 27th edition of the International Workshop on Configuration (ConfWS 2025) was co-located with the European Conference on Artificial Intelligence (ECAI 2025), hosted by the University of Bologna in Italy. As in previous years, ConfWS 2025 provided a lively forum for researchers and industry professionals interested in all aspects of configuration technologies.

ConfWS 2025 was organized as a two-day event and featured high-quality contributions across all configuration-related research areas. This edition placed particular emphasis on Green Configuration, in line with the EU Green Deal and the EU Agenda 2050, which aim to guide the European community toward a more sustainable future. Researchers and experts from academia and industry shared their contributions on the potential of configuration technologies to support sustainability goals. The program included special sessions on green configuration and sustainability, covering topics such as sustainable configurator applications, efficient reasoning, configuration space learning, integration of large language models (LLMs), and other aspects related to problem solving and optimization.

ConfWS 2025 welcomed participants from academia and industry. A total of 23 papers were submitted for peer review, and 17 were selected for publication in the workshop proceedings after evaluation by at least two independent reviewers per paper. Continuing the workshop's tradition, participants selected the best paper ("Generative Design as a Configuration Problem") and the best student paper ("From 4GL Spreadsheet Computations to Constraint Model Definitions – A Development Process").

We would like to express our sincere gratitude to all authors for their high-quality submissions, the program committee members for their thorough reviews. We also thank the University of Bologna, the ECAI Workshop Chairs, the ECAI Chairs, and Prof. Federico Chesani for their proactive support. Our special thanks go to PMH - Product Management Haag GmbH and to the keynote speaker Dr. Albert Haag for his inspiring contribution and for sharing reflections dating back to his first participation at ECAI in 1982.

Finally, we acknowledge the patronage of the MICS project (Made in Italy – Circular and Sustainable), funded as part of the European Union's Next-Generation EU program (Piano Nazionale di Ripresa e Resilienza – PNRR, Missione 4, Componente 2, Investimento 1.3 – D.D. 1551.11-10-2022, PE00000004). The views expressed in this editorial are solely those of the authors and do not necessarily reflect the official position of the European Union or the European Commission, which cannot be held responsible for any use made of the information contained herein.

December 2025

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