Preface of the 20th International Workshop on OCL and Textual Modeling (OCL'2021)

Daniel Calegari[1], Robert Clarisó[2] and Edward D. Willink[3]

[1]*Instituto de Computación, Facultad de Ingeniería, Universidad de la República, Uruguay*
[2]*Universitat Oberta de Catalunya, Rambla del Poblenou 156, 08018 Barcelona, Spain*
[3]*Willink Transformations Ltd, Reading, England*

Abstract

The Object Constraint Language (OCL) is a popular textual modeling language for describing queries and constraints in object-oriented software development. This paper reports on the 20th International Workshop on OCL and Textual Modeling (OCL'2021), held in collocation with the STAF federated conferences. The workshop reflected on improvements to the OCL language, tools, and applications.

Keywords

OCL, UML, Model-Driven Engineering, modeling languages

The Object Constraint Language (OCL) is a popular textual notation for describing constraints and queries in object-oriented development. The *International Workshop on OCL and Textual Modeling* is a yearly forum where the community around OCL gathers to discuss new developments around the OCL language, valuable tools based on OCL, its applications, and other textual modeling languages.

The 20th International Workshop on OCL and Textual Modeling (OCL'2021) was held as a virtual event within the Software Technologies: Applications and Foundations (STAF'2021) federated conferences (https://staf2021.hvl.no/). All the information about the workshop is published on the workshop's website: https://oclworkshop.github.io/2021

The workshop received 8 submissions, of which 7 were accepted for publication. All submitted papers were reviewed by three members from the Program Committee:

- Achim D. Brucker, University of Exeter, UK
- Dan Chiorean, Babes-Bolyai University, Romania
- Tony Clark, Aston University, UK
- Birgit Demuth, Technische Universität Dresden, Germany
- Martin Gogolla, University of Bremen, Germany
- Frédéric Jouault, ESEO-TECh, France
- Sina Madani, University of York, UK
- Denis Nikiforov, Advalange, Russia
- Xavier Oriol, UPC-Barcelona Tech, Spain

- István Ráth, Budapest University of Technology and Economics, Hungary
- Jan Oliver Ringert, University of Leicester, UK
- Bernhard Rumpe, RWTH Aachen, Germany
- Ernest Teniente, UPC-Barcelona Tech, Spain
- Antonio Vallecillo, Universidad de Málaga, Spain
- Hao Wu, Maynooth University, Ireland

In addition to the submitted papers, the workshop included a panel with contributions from Dr. Jordi Cabot (ICREA), Dr. Martin Gogolla (Univ. Bremen), and Dr. Antonio Vallecillo (Univ. Málaga). This panel focused on diagnosing the current status of OCL (language, tool ecosystem, community, etc.) using a SWOT matrix (Strengths, Weaknesses, Opportunities, and Threats). The key conclusions of the panel are presented in the proceedings of this workshop in the paper "A SWOT Analysis of the Object Constraint Language".

Finally, two authors contributed lightning talks during the open session: "Stating the Most General Type, not the Most Specific Type can Make Sense" by Dr. Martin Gogolla and "Normalizing OCL Associations" by Dr. Edward Willink.

Acknowledgments