Preface to the ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems Companion (MODELS-C)

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This joint volume of proceedings gathers together papers from the satellite and collocated events with MODELS 2019 including the workshops (listed below), Educators and Doctoral Symposia, and Posters and Tools & Demonstrations sessions.

These events were all held during the ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems (MODELS), September 15th- 20th, 2019.

MODELS is the premier conference series for model-based software and systems engineering covering all aspects of modeling from languages and methods to tools and applications, and has done so since 1998.

The many workshops at MODELS (see the list below) provide devoted meetings for discussion and sharing of ideas relevant to a specific topic. The Tool and Demonstrations event recognizes the importance of tools to MDE, and includes submissions of both industry and research tools. The Posters session provides a venue for researchers to present and receive feedback on early and ongoing projects, innovative applications of existing tools, and ideas for novel applications in the area of MDE. The Doctoral Symposium and ACM Student Research Competition support student research. The Educators Symposium provides a venue for educators interested in MDE to gather to share ideas and discuss relevant topics and trends. The Doctoral Symposium enables young researchers to present receive feedback on their existing and planned research projects from their fellow students and experienced faculty mentors in the area of MDE.

The papers for each event were reviewed and selected by the organizers of the appropriate event along with the associated program committee.

Organizing Committee

General Chairs

Alexander Pretschner
Technical University of Munich, Germany

Sebastian Voss
fortiss GmbH, Germany

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Loli Burgueño
Open University of Catalonia, Spain
CEA LIST, France

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Chalmers and Gothenburg University,
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University of Adelaide, Australia

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Arend Rensink
University of Twente, Netherlands

Fiona Polack
Keele University, UK

Doctoral Symposium Chairs

Gregor Engels
University of Paderborn, Germany

Gerti Kappel
TU Wien, Austria

Workshops Organizers

MASE – Modeling in Automotive Software Engineering Workshop
Alessio Bucaioni (Mälardalen University, Sweden)
Joanne Atlee (University of Waterloo, Canada)
Juergen Dingel (Queen's University, Canada)

MULTI – 6th International Workshop on Multi-Level Modelling
João Paulo A. Almeida (Federal University of Espírito Santo, Brazil)
Manuel Wimmer (Johannes Kepler University Linz, Austria)
Adrian Rutle (Western Norway University of Applied Sciences, Bergen, Norway)

MDE Intelligence – 1st Workshop on Artificial Intelligence and Model-driven Engineering
Loli Burgueño (Open University of Catalonia, Spain & CEA List, France)
Alexandru Burdusel (King's College London, UK)
Sébastien Gérard (CEA List, France)
Manuel Wimmer (Johannes Kepler Universität Linz, Austria)

MDETools – 3rd Workshop on Model-Driven Engineering Tools
Jean-Philippe Babau (UBO, France)
Mojtaba Bagherzadeh (Queen's University, Canada)
Francis Bordeleau (Cmind, Canada)
Juergen Dingel (Queen's University, Canada)
Antonio Garcia-Dominguez (Aston University, UK)
Raquel Araújo de Oliveira (University of Toulouse, France)
Ernesto Posse (Zeligsoft, Canada)
Ed Seidewitz (Model Driven Solutions, USA)
Bran Selic (Malina Software Corp., Canada)

ME – Models and Evolution Workshop
Ludovico Iovino (Gran Sasso Science Institute, Italy)
Alfonso Pierantonio (University of L'Aquila, Italy)
Dalila Tamzalit (LS2N, Université de Nantes, France)

MLE – International Workshop on Modeling Language Engineering and Execution
Erwan Bousse (University of Nantes, France)
Julien Deantoni (University of Nice, France)
Romina Eramo (University of L'Aquila, Italy)
Jeff Gray (University of Alabama, USA)
Ed Seidewitz (Model Driven Solutions, USA)

VoSE – 1st International Workshop on View-Oriented Software Engineering

Colin Atkinson (University of Mannheim, Germany)
Erik Burger (Karlsruhe Institute of Technology, Germany)
Johannes Meier (University of Oldenburg, Germany)
Ralf Reussner (Karlsruhe Institute of Technology, Germany)
Andreas Winter (University of Oldenburg, Germany)

HuMaFo – 4th International Workshop on Human Factors in Modeling

Silvia Abrahão (Universitat Politècnica de València, Spain)
Miguel Goulão (Universidade Nova de Lisboa, Portugal)
Rodi Jolak (Chalmers University of Technology and Gothenburg University, Sweden)
Xavier Le Pallec (University of Lille, France)
Emmanuel Renaux (IMT Lille Douai, France)

MPM4CPS – 1st International Workshop on Multi-Paradigm Modelling for Cyber-
Physical Systems

Simon Van Mierlo (University of Antwerp, Belgium)
Eugene Syriani (Université de Montréal, Canada)
Manuel Wimmer (JKU Linz, Austria)
Dominique Blouin (Télécom ParisTech, France)
Moussa Amrani (Université de Namur, Belgium)
Julien DeAntoni (Université Nice – Sophia Antipolis, France)

FlexMDE – 5th Flexible MDE Workshop

Davide Di Ruscio (University of L'Aquila, Italy)
Dimitris Kolovos (University of York, UK)
Juan de Lara (Universidad Autonoma de Madrid, Spain)

MoDeVVa – 16th Workshop on Model-Driven Engineering, Verification and Validation

Raquel Araújo de Oliveira (University of Toulouse, France)
Iulian Ober (University of Toulouse, France)
Ernesto Posse (Zeligsoft, Canada)
Saad Bin Abid (Fortiss, Germany)

MRT – 14th International Workshop on Models@run.time

Sebastian Götz (Technische Universität Dresden, Germany)
Nelly Bencomo (Aston Universiy, UK)
Kirstie L. Bellman (The Aerospace Organisation, USA)
Gordon Blair (Lancaster University, UK)

MORSE – 6th International Workshop on Model-Driven Robot Software Engineering

Sebastian Götz (Technische Universität Dresden, Germany)
Simos Gerasimou (University of York, UK)
Sebastian Wrede (Universität Bielefeld, Germany)
Andreas Wortmann (RWTH Aachen University, Germany)

DevOps – 1st international workshop on DevOps

Francis Bordeleau (École de Technologie Supérieure, Cánada)
Jean-Michel Bruel (University of Toulouse, France)
Jordi Cabot (ICREA, Spain)
Juergen Dingel (Queen's University, Canada)
Sébastien Mosser (Université du Québec à Montréal, Canada)

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