

## (Meta-)Modelling [**Presentation: October 13th (approx.)**]

- [“The rise of the \(modelling\) bots: towards assisted modeling via social networks”](#). S. Pérez-Soler, E. Guerra, J. de Lara, F. Jurado. Proc. ASE'17, pp. 723-728. 2017.
- [“Facet-oriented modelling: open objects for model-driven engineering”](#). J. de Lara, E. Guerra, J. Kienzle, Y. Hattab. SLE 2018: 147-159
- [“A GNN-based recommender system to assist the specification of metamodels and models”](#). Juri Di Rocco, Claudio Di Sipio, Davide Di Ruscio, Phuong Thanh Nguyen. Proc. 2021 ACM/IEEE 24th International Conference on Model Driven Engineering Languages and Systems (MODELS), pp.: 70-81
- [“Learning from code repositories to recommend model classes”](#). Thibaut Capuano, Houari A. Sahraoui, Benoît Frénay, Benoît Vanderose. Journal of Object Technology. Vol. 21, No. 3, pp.: 1–11, 2022.

## Domain-Specific Languages and applications [**Presentation: October 26th (approx.)**]

- [“The physics of notations: toward a scientific basis for constructing visual notations in software engineering”](#). Daniel L. Moody. IEEE Transaction in Software Engineering 35(6):756-779. 2009.
- [“Collaborative software modeling in virtual reality”](#) E. Yigitbas, S. Gorissen, N. Weidmann and G. Engels. 2021 ACM/IEEE 24th International Conference on Model Driven Engineering Languages and Systems (MODELS), 2021, pp. 261-272
- [“HoloFlows: modelling of processes for the Internet of Things in mixed reality”](#). R. Seiger, R. Kühn, M. Korzetz, U. Aßmann. Softw. Syst. Model. 20(5): 1465-1489 (2021)
- [“SceML: a graphical modeling framework for scenario-based testing of autonomous vehicles”](#) Barbara Schütt, Thilo Braun, Stefan Otten, Eric Sax. MODELS '20: Proc. of the 23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. pp.:114-120

## Code Generation [**Presentation: November 3rd (approx.)**]

- [“On the use of signatures for source incremental model-to-text transformation”](#). B. Ogunyomi, L. M. Rose, D. S. Kolovos. MoDELS 2014: 84-98
- [“Testing MOFScript Transformations with HandyMOF”](#). J. García, M. Azanza, A. Irastorza, O. Díaz. ICMT 2014: 42-56
- [“Efficient generation of graphical model views via lazy model-to-text transformation”](#). Dimitris S. Kolovos, Alfonso de la Vega, Justin C. Cooper. Proceedings of the 23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems 2020 Pages 12–23.
- [“Model-driven digital twin construction: synthesizing the integration of cyber-physical systems with their information systems”](#). Jörg Christian Kirchhof, Judith Michael, Bernhard Rumpe, Simon Varga, Andreas Wortmann. Proceedings of the 23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems, 2020. pp.: 90-101.

## Related technologies: Product Lines, Model-driven modernization, Low-code development [**Presentation: November 6th (approx.)**]

- [“Leveraging model-driven technologies for JSON artefacts: The shipyard case study”](#). Alessandro Colantoni, Antonio Garmendia, Luca Berardinelli, Manuel Wimmer, Johannes Bräuer. 2021 ACM/IEEE 24th International Conference on Model Driven Engineering Languages and Systems (MODELS), 2021, pp. 250-260
- [“Low-code development and model-driven engineering: Two sides of the same coin?”](#). Davide Di Ruscio, Dimitrios S. Kolovos, Juan de Lara, Alfonso Pierantonio, Massimo Tisi, Manuel Wimmer. Softw. Syst. Model. 21(2): 437-446 (2022)
- [“Analysing meta-model product lines”](#). E. Guerra, J. de Lara, M. Chechik, R. Salay. SLE 2018: 160-173
- [“Applying declarative analysis to software product line models: An industrial study,”](#) R. Shahin, R. Hackman, R. Toledo, S. Ramesh, J. M. Atlee and M. Chechik. 2021 ACM/IEEE 24th International Conference on Model Driven Engineering Languages and Systems (MODELS), 2021, pp. 145-155

## Model Transformation [**Presentation: November 23rd (approx.)**]

- [“Automated patch generation for fixing semantic errors in ATL transformation rules”](#). Zahra VaraminyBahnemiry, Jessie Galasso, Khalid Belharbi, Houari A. Sahraoui, 2021 ACM/IEEE 24th International Conference on Model Driven Engineering Languages and Systems (MODELS), pp.: 13-23.
- [“A local and global tour on MOMoT”](#). Robert Bill, Martin Fleck, Javier Troya, Tanja Mayerhofer, Manuel Wimmer. Softw. Syst. Model. 18(2): 1017-1046 (2019)
- [“Efficient execution of ATL model transformations using static analysis and parallelism”](#). Jesús Sánchez Cuadrado, Loli Burgueño, Manuel Wimmer, Antonio Vallecillo. IEEE Trans. Software Eng. 48(4): 1097-1114 (2022)
- [“CoqTL: An internal DSL for model transformation in Coq”](#). Massimo Tisi, Zheng Cheng. Proc. ICMT 2018: 142-156.

## Analysis [**Presentation: December 1st (approx.)**]

- [“Coloured Petri Nets and CPN Tools for modelling and validation of concurrent systems”](#). K. Jensen, L.M. Kristensen, L. Wells, L. . Int J Softw Tools Technol Transfer (2007) 9: 213.
- [“Simulation and analysis of MultEcore multilevel models based on rewriting logic”](#). Alejandro Rodríguez, Francisco Durán, Lars Michael Kristensen. Softw Syst Model 21, 561–586 (2022). 561-586
- [“Automated generation of consistent models with structural and attribute constraints”](#). Oszkár Semeráth, Aren A. Babikian, Anqi Li, Kristóf Marussy, and Daniel Varró. 2020. In Proceedings of the 23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems (MODELS '20). Pp.: 187–199.
- [“Designing, animating, and verifying partial UML Models”](#). Frédéric Jouault, Valentin Besnard, Théo Le Calvar, Ciprian Teodorov, Matthias Brun, and Jerome Delatour. In Proceedings of the 23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems (MODELS '20). Pp.: 211-217