

Massimo Tisi - Publication list

International Journal Papers

- [IJ1] Josselin Enet, Erwan Bousse, Massimo Tisi, and Gerson Sunyé. Protocol-Based Interactive Debugging for Domain-Specific Languages. *The Journal of Object Technology*, 22(2), 2023.
- [IJ2] Imad Berrouyane, Mehdi Adda, Jean-Marie Mottu, and Massimo Tisi. A Model-Driven Methodology to Accelerate Software Engineering in the Internet of Things. *IEEE Internet of Things Journal*, 9(20):19757–19772, October 2022.
- [IJ3] Mohammadhadi Dehghani, Shekoufeh Kolahdouz-Rahimi, Massimo Tisi, and Dalila Tamzalit. Facilitating the Migration to the Microservice Architecture via Model-Driven Reverse Engineering and Reinforcement Learning. *Software and Systems Modeling*, 21(3):1115–1133, June 2022.
- [IJ4] Zheng Cheng and Massimo Tisi. Deep specification and proof preservation for the CoqTL transformation language. *Software and Systems Modeling*, May 2022.
- [IJ5] Davide Di Ruscio, Dimitris Kolovos, Juan de Lara, Alfonso Pierantonio, Massimo Tisi, and Manuel Wimmer. Low-code development and model-driven engineering: Two sides of the same coin? *Software and Systems Modeling*, 21(2):437–446, April 2022.
- [IJ6] Georg Hinkel, Antonio Garcia-Dominguez, René Schöne, Artur Boronat, Massimo Tisi, Théo Le Calvar, Frederic Jouault, József Marton, Tamás Nyíri, János Benjamin Antal, Márton Elekes, and Gábor Szárnyas. A cross-technology benchmark for incremental graph queries. *Software and Systems Modeling*, 21(2):755–804, April 2022.
- [IJ7] Antonio Bucchiarone, Federico Ciccozzi, Leen Lambers, Alfonso Pierantonio, Matthias Tichy, Massimo Tisi, Andreas Wortmann, and Vadim Zaytsev. What Is the Future of Modeling? *IEEE Software*, 38(2):119–127, March 2021.
- [IJ8] Zheng Cheng, Massimo Tisi, and Rémi Douence. CoqTL: A Coq DSL for rule-based model transformation. *Software and Systems Modeling*, 19(2):425–439, March 2020.
- [IJ9] Thibault Béziers la Fosse, Jean-Marie Mottu, Massimo Tisi, and Sunyé Sunyé. Source-Code Level Regression Test Selection: The Model-Driven Way. *The Journal of Object Technology*, 18(2):13:1, 2019.
- [IJ10] Zheng Cheng and Massimo Tisi. Slicing ATL model transformations for scalable deductive verification and fault localization. *International Journal on Software Tools for Technology Transfer*, 20(6):645–663, November 2018.
- [IJ11] Amine Benelallam, Abel Gómez, Massimo Tisi, and Jordi Cabot. Distributing relational model transformation on MapReduce. *Journal of Systems and Software*, 142:1–20, August 2018.
- [IJ12] Gwendal Daniel, Gerson Sunyé, Amine Benelallam, Massimo Tisi, Yoann Vernageau, Abel Gómez, and Jordi Cabot. NeoEMF: A multi-database model persistence framework for very large models. *Science of Computer Programming*, 149:9–14, December 2017.
- [IJ13] Salvador Martínez, Massimo Tisi, and Rémi Douence. Reactive model transformation with ATL. *Science of Computer Programming*, 136:1–16, 2017.
- [IJ14] Soichiro Hidaka, Massimo Tisi, Jordi Cabot, and Zhenjiang Hu. Feature-based classification of bidirectional transformation approaches. *Software and Systems Modeling*, 15(3):907–928, 2016.
- [IJ15] Hamza Ed-Douibi, J.L.C. Javier Luis Cánovas Izquierdo, A. Gómez, Massimo Tisi, Jordi Cabot, Abel Gómez, Massimo Tisi, and Jordi Cabot. EMF-REST Generation of RESTful APIs from Models. *Proceedings of the ACM Symposium on Applied Computing*, abs/1504.0:39–43, 2015.

- [IJ16] D.S. Kolovos, L.M. Rose, R.F. Paige, E. Guerra, J.S. Cuadrado, J. De Lara, I. R?th, D. Varr?, G. Suny?, and M. Tisi. MONDO: Scalable Modelling and model management on the cloud. *CEUR Workshop Proceedings*, 1400, 2015.
- [IJ17] J Cabot and M Tisi. The MDE diploma: First international postgraduate specialization in model-driven engineering. *Computer Science Education*, 23, 2011.
- [IJ18] Piero Fraternali and Massimo Tisi. Using traceability links and higher-order transformations for easing regression testing of web applications. *Journal of Web Engineering*, 10(1):1–20, 2011.
- [IJ19] Wieland Schwinger, Werner Retschitzegger, Andrea Schauerhuber, Gerti Kappel, Manuel Wimmer, Birgit Pröll, Cristina Cachero Castro, Sven Casteleyn, Olga De Troyer, Piero Fraternali, Irene Garrigos, Franca Garzotto, Athula Ginige, Geert-Jan Houben, Nora Koch, Nathalie Moreno, Oscar Pastor, Paolo Paolini, Vicente Pelechano Ferragud, Gustavo Rossi, Daniel Schwabe, Massimo Tisi, Antonio Vallecillo, Kees Van Der Sluijs, and Gefei Zhang. A Survey on Web Modeling Approaches for Ubiquitous Web Applications. *International Journal of Web Information Systems*, 4(3):234–305, 2008.

Book Chapters

- [BC1] M. Tisi and P. Fraternali. Building community-based Web applications with a Model-Driven approach and design patterns. volume Handbook o. IGI Global, 2008.

Editing

- [ED1] Davide Di Ruscio, Esther Guerra, and Massimo Tisi. Editorial to theme section on modeling in low-code development platforms. *Software and Systems Modeling*, 21(5):1957–1958, October 2022.
- [ED2] Davide Di Ruscio, Dimitris Kolovos, Juan De Lara, Massimo Tisi, and Manuel Wimmer. LowCode 2021: 2nd Workshop on Modeling in Low-Code Development Platforms. In *2021 ACM/IEEE International Conference on Model Driven Engineering Languages and Systems Companion (MODELS-C)*, pages 45–46, October 2021.
- [ED3] Proceedings of the 4rd Workshop on Scalable Model Driven Engineering part of the Software Technologies: Applications and Foundations {(STAF} 2016) federation of conferences, Vienna, Austria, July 8, 2016. volume 1652. CEUR-WS.org, 2016.
- [ED4] Proceedings of the 3rd Workshop on Scalable Model Driven Engineering part of the Software Technologies: Applications and Foundations {(STAF} 2015) federation of conferences, L'Aquila, Italy, July 23, 2015. volume 1406. CEUR-WS.org, 2015.
- [ED5] Proceedings of the 2nd Workshop on Scalability in Model Driven Engineering co-located with the Software Technologies: Applications and Foundations Conference, BigMDE@STAF2014, York, UK, July 24, 2014. volume 1206. CEUR-WS.org, 2014.

International Conference Papers

- [IC1] Jolan Philippe, Massimo Tisi, Hélène Coullon, and Gerson Sunyé. Executing certified model transformations on Apache Spark. In *Proceedings of the 14th ACM SIGPLAN International Conference on Software Language Engineering*, pages 36–48, Chicago IL USA, October 2021. ACM.
- [IC2] Massimo Tisi, Hugo Bruneliere, Juan de Lara, Davide Di Ruscio, and Dimitris Kolovos. Towards Twin-Driven Engineering: Overview of the State-of-The-Art and Research Directions. In Alexandre Dolgui, Alain Bernard, David Lemoine, Gregor von Cieminski, and David Romero, editors, *Advances in Production Management Systems. Artificial Intelligence for Sustainable and Resilient Production Systems*, volume 630, pages 351–359, Cham, 2021. Springer International Publishing.
- [IC3] Thibault Béziers la Fosse, Massimo Tisi, Jean-Marie Mottu, and Gerson Sunyé. Annotating executable DSLs with energy estimation formulas. In *Proceedings of the 13th ACM SIGPLAN International Conference on Software Language Engineering*, pages 22–38, Virtual USA, November 2020. ACM.

- [IC4] Zheng Cheng, Massimo Tisi, and Joachim Hotonnier. Certifying a rule-based model transformation engine for proof preservation. In *Proceedings of the 23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems*, pages 297–307, Virtual Event Canada, October 2020. ACM.
- [IC5] Imad Berrouyine, Mehdi Adda, Jean-Marie Mottu, Jean-Claude Royer, and Massimo Tisi. A Model-Driven Approach to Unravel the Interoperability Problem of the Internet of Things. In Leonard Barolli, Flora Amato, Francesco Moscato, Tomoya Enokido, and Makoto Takizawa, editors, *Advanced Information Networking and Applications*, volume 1151, pages 1162–1175, Cham, 2020. Springer International Publishing.
- [IC6] Imad Berrouyine, Mehdi Adda, Jean-Marie Mottu, Jean-Claude Royer, and Massimo Tisi. CyprIoT: Framework for modelling and controlling network-based IoT applications. In *Proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing*, pages 832–841, Limassol Cyprus, April 2019. ACM.
- [IC7] Zheng Cheng, Jean-Claude Royer, and Massimo Tisi. Removing Problems in Rule-Based Policies. In Gurpreet Dhillon, Fredrik Karlsson, Karin Hedström, and André Zúquete, editors, *ICT Systems Security and Privacy Protection*, volume 562, pages 120–133, Cham, 2019. Springer International Publishing.
- [IC8] Zheng Cheng, Jean-Claude Royer, and Massimo Tisi. Efficiently Characterizing the Undefined Requests of a Rule-Based System. In *IFM 2018 - 14th International Conference on Integrated Formal Methods*, volume 11023 of LNCS, pages 69–88, Maynooth, Ireland, September 2018. Springer.
- [IC9] Massimo Tisi and Zheng Cheng. CoqTL: An internal DSL for model transformation in Coq. In *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, volume 10888 LNCS, pages 142–156, 2018.
- [IC10] Sochiro Hidaka, Frederic Jouault, and Massimo Tisi. On Additivity in Transformation Languages. In *2017 ACM/IEEE 20th International Conference on Model Driven Engineering Languages and Systems (MODELS)*, pages 23–33, Austin, Texas, United States, September 2017. IEEE.
- [IC11] Massimo Tisi and Zheng Cheng. A Deductive Approach for Fault Localization in ATL Model Transformations. In *FASE 2017 - 20th International Conference on Fundamental Approaches to Software Engineering*, Uppsala, Sweden, April 2017.
- [IC12] Zheng Cheng and Massimo Tisi. Incremental Deductive Verification for Relational Model Transformations. In *ICST 2017 - 10th IEEE International Conference on Software Testing, Verification and Validation*, Tokyo, Japan, March 2017.
- [IC13] Amine Benelallam, Massimo Tisi, Jesús Sánchez Cuadrado, Juan de Lara, and Jordi Cabot. Efficient Model Partitioning for Distributed Model Transformations. In *Proceedings of the 2016 International Conference of Software Language Engineering*, October 2016.
- [IC14] Massimo Tisi, Frédéric Jouault, Zied Saidi, and Jérôme Delatour. Enabling OCL and fUML integration by transformation. In *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, volume 9764, pages 156–172, 2016.
- [IC15] Amine Benelallam, Abel Gómez, Massimo Tisi, and Jordi Cabot. Distributed model-to-model transformation with ATL on MapReduce. In *Proceedings of the 2015 ACM SIGPLAN International Conference on Software Language Engineering, SLE 2015, Pittsburgh, PA, USA, October 25-27, 2015*, pages 37–48, 2015.
- [IC16] Valerio Cosentino, Massimo Tisi, and Javier Luis Cánovas Izquierdo. A model-driven approach to generate external DSLs from object-oriented APIs. In Giuseppe F. Italiano, Tiziana Margaria-Steffen, Jaroslav Pokorný, Jean-Jacques Quisquater, and Roger Wattenhofer, editors, *SOFSEM 2015: Theory and Practice of Computer Science*, pages 423–435, Berlin, Heidelberg, 2015. Springer Berlin Heidelberg.
- [IC17] Abel Gómez, Massimo Tisi, Gerson Sunyé, and Jordi Cabot. Map-Based Transparent Persistence for Very Large Models. In *Fundamental Approaches to Software Engineering*, volume 9033, pages 19–34, 2015.
- [IC18] Amine Benelallam, Abel Gómez, Gerson Sunyé, Massimo Tisi, and David Launay. Neo4EMF, A scalable persistence layer for EMF models. In *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, volume 8569 LNCS, pages 230–241, 2014.

- [IC19] Massimo Tisi, Frédéric Jouault, Jérôme Delatour, Zied Saidi, and Hassene Choura. fUML as an Assembly Language for Model Transformation. In *Software Language ...*, pages 171–190, 2014.
- [IC20] Massimo Tisi, Salvador Martínez, and Hassene Choura. Parallel execution of ATL transformation rules. In *Model-Driven Engineering Languages and Systems: 16th International Conference, MODELS 2013, Miami, FL, USA, September 29 – October 4, 2013. Proceedings*, volume 8107 LNCS, pages 656–672, 2013.
- [IC21] J.-M. Mottu, S. Sen, M. Tisi, and J. Cabot. Static analysis of model transformations for effective test generation. In *Proceedings - International Symposium on Software Reliability Engineering, ISSRE*, 2012.
- [IC22] Sagar Sen, Jean Marie Mottu, Massimo Tisi, and Jordi Cabot. Using models of partial knowledge to test model transformations. In *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, volume 7307 LNCS, pages 24–39, 2012.
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- [IC24] D Wagelaar, M Tisi, J Cabot, and F Jouault. Towards a general composition semantics for rule-based model transformation. In *Model Driven Engineering Languages and Systems: 14th International Conference, MODELS 2011, Wellington, New Zealand, October 16-21, 2011. Proceedings*, 2011.
- [IC25] Marco Brambilla, Stefano Ceri, and Massimo Tisi. Search computing: A model-driven perspective. In *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, volume 6142 LNCS, pages 1–15. Springer, 2010.
- [IC26] Piero Pa Fraternali and Massimo M.b Tisi. Multi-level Tests for Model Driven Web Applications. In *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, volume 6189 {LNCS, pages 158–172, 2010.
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- [IC28] Massimo Tisi, Jordi Cabot, and Frédéric Jouault. Improving higher-order transformations support in ATL. In *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, volume 6142 LNCS, pages 215–229. Springer, 2010.
- [IC29] Marco Brambilla, Piero Fraternali, and Massimo Tisi. A transformation framework to bridge domain specific languages to MDA. In *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, volume 5421, pages 167–180. Lecture Notes In Computer Science, Springer, 2009.
- [IC30] Piero Fraternali and Massimo Tisi. A higher order generative framework for weaving traceability links into a code generator for web application testing. In *International Conference on Web Engineering*, volume 5648 LNCS, pages 340–354, 2009.
- [IC31] Massimo Tisi, F. Jouault, P. Fraternali, S. Ceri, and J. Bézivin. On the Use of Higher-Order Model Transformations. In *Proceedings of the Fifth European Conference on Model-Driven Architecture Foundations and Applications (ECMDA)*, pages 18–33. Springer, 2009.
- [IC32] Piero Fraternali and Massimo Tisi. Identifying Cultural Markers for Web Application Design Targeted to a Multi-cultural Audience. In *Eigth International Conference on Web Engineering*, pages 231–239. Ieee, July 2008.
- [IC33] Marco Brambilla, Piero Fraternali, Matteo Silva, and Massimo Tisi. ICT Education as a Key Emancipation Factor for Young People in Marginal Quarters of Developing Countries. In *Marginalized Young People: Inclusion Through ICT, Workshop at IDC2008*, pages 1–4, 2008.

- [IC34] R. Acerbis, A. Bongio, M. Brambilla, Massimo Tisi, S. Ceri, and E. Tosetti. Developing eBusiness Solutions with a Model Driven Approach: The Case of Acer EMEA. In *Proceedings of ICWE2007*, volume 4607, page 539. LNCS, 2007.
- [IC35] Piero Fraternali, Stefano Ceri, Massimo Tisi, and Emanuele Tosetti. Developing eBusiness Solutions with a Model Driven Approach. In *Proceedings of IMP2006*, 2006.
- [IC36] Piero Fraternali, Massimo Tisi, and Aldo Bongio. Automating Function Point Analysis with Model Driven Development. In *Proceedings of the 2006 Conference of the Center for Advanced Studies on Collaborative Research - CASCON '06*, page 18, New York, New York, USA, 2006. ACM Press.
- [IC37] L. Baresi, P. Fraternali, M. Tisi, and S. Morasca. Towards model-driven testing of a Web application generator. In *Web Engineering, Proceedings*, volume 3579, pages 75–86. Springer, 2005.

International Workshop Papers

- [IW1] Zahra Rajaei, Shekoufeh Kolahdouz-Rahimi, Massimo Tisi, and Frédéric Jouault. A DSL for encoding models for graph-learning processes. In *20th International Workshop on OCL and Textual Modeling*, Bergen, Norway, June 2021.
- [IW2] Jolan Philippe, Hélène Coullon, Massimo Tisi, and Gerson Sunyé. Towards Transparent Combination of Model Management Execution Strategies for Low-Code Development Platforms. In *23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems: Companion Proceedings*, Montreal (Virtually), Canada, October 2020. ACM.
- [IW3] Thibault Beziers la Fosse, Massimo Tisi, Erwan Bousse, Jean-Marie Mottu, and Gerson Sunye. Towards Platform Specific Energy Estimation for Executable Domain-Specific Modeling Languages. In *2019 ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems Companion (MODELS-C)*, pages 314–317, Munich, Germany, September 2019. IEEE.
- [IW4] Massimo Tisi, Jean-Marie Mottu, Dimitrios S. Kolovos, Juan De Lara, Esther M Guerra, Davide Di Ruscio, Alfonso Pierantonio, and Manuel Wimmer. Lowcomote: Training the next generation of experts in scalable low-code engineering platforms. In *STAF 2019 Co-Located Events Joint Proceedings: 1st Junior Researcher Community Event, 2nd International Workshop on Model-Driven Engineering for Design-Runtime Interaction in Complex Systems, and 1st Research Project Showcase Workshop Co-Located with Software Technologies: Applications and Foundations (STAF 2019)*, CEUR Workshop Proceedings (CEUR-WS.Org), Eindhoven, Netherlands, July 2019.
- [IW5] Thibault Béziers la Fosse, Jean-Marie Mottu, Massimo Tisi, and Gerson Sunyé. Characterizing a source code model with energy measurements. In *Workshop on Measurement and Metrics for Green and Sustainable Software Systems (MeGSuS)*, Oulu, Finland, October 2018.
- [IW6] Valentin Besnard, Frédéric Jouault, Théo Le Calvar, and Massimo Tisi. The TTC 2018 social media case, by ATL and AOF. In *11th Transformation Tool Contest, Co-Located with the 2018 Software Technologies: Applications and Foundations (STAF 2018)*, Toulouse, France, June 2018.
- [IW7] Imad Berrouyne, Mehdi Adda, Jean-Marie Mottu, Jean-Claude Royer, and Massimo Tisi. Towards Model-Based Communication Control for the Internet of Things. In Manuel Mazzara, Iulian Ober, and Gwen Salaün, editors, *Software Technologies: Applications and Foundations*, volume 11176, pages 644–655, Cham, 2018. Springer International Publishing.
- [IW8] Thibault Béziers la Fosse, Massimo Tisi, and Jean-Marie Mottu. Injecting Execution Traces into a Model-Driven Framework for Program Analysis. In Martina Seidl and Steffen Zschaler, editors, *Software Technologies: Applications and Foundations*, volume 10748, pages 3–13. Springer International Publishing, Cham, 2018.
- [IW9] Zheng Cheng and Massimo Tisi. Towards Incremental Deductive Verification for ATL. In *Verification of Model Transformation*, volume PAME-VOLT, pages 38–47, Saint-Malo, France, October 2016.

- [IW10] Amine Benelallam, Abel Gómez, and Massimo Tisi. ATL-MR : Model Transformation on MapReduce. In *SEPS 2015 - Proceedings of the 2nd International Workshop on Software Engineering for Parallel Systems*, pages 45–49, 2015.
- [IW11] Abel Gómez, Amine Benelallam, and Massimo Tisi. Decentralized model persistence for distributed computing. In *CEUR Workshop Proceedings*, volume 1406, pages 42–51, 2015.
- [IW12] Massimo Tisi, Rémi Douence, and Dennis Wagelaar. Lazy evaluation for OCL. In *CEUR Workshop Proceedings*, volume 1512, pages 46–61, 2015.
- [IW13] Frédéric Jouault, Massimo Tisi, and Jérôme Delatour. fUML as an assembly language for MDA. In *Proceedings of the 6th International Workshop on Modeling in Software Engineering - MiSE 2014*, pages 61–64, New York, New York, USA, June 2014. ACM Press.
- [IW14] Amine Benelallam, Massimo Tisi, István Ráth, Benedek Izsó, and Dimitrios S. Kolovos. Towards an open set of real-world benchmarks for model queries and transformations. In *CEUR Workshop Proceedings*, volume 1206, pages 14–22, 2014.
- [IW15] Gwendal Daniel, Gerson Sunyé, Amine Benelallam, and Massimo Tisi. Improving memory efficiency for processing large-scale models. In *CEUR Workshop Proceedings*, volume 1206, pages 31–39, 2014.
- [IW16] Valerio Cosentino, Massimo Tisi, and Fabian Büttner. Analyzing Flowgraphs with ATL. In *Electronic Proceedings in Theoretical Computer Science*, volume 135, pages 32–36, 2013.
- [IW17] Dimitrios S. Kolovos, Massimo Tisi, Jordi Cabot, Louis M. Rose, Nicholas Matragkas, Richard F. Paige, Esther Guerra, Jesús Sánchez Cuadrado, Juan De Lara, István Ráth, and Dániel Varró. A research roadmap towards achieving scalability in model driven engineering. In *Proceedings of the Workshop on Scalability in Model Driven Engineering - BigMDE '13*, pages 1–10, 2013.
- [IW18] Cauê Clasen, Marcos Didonet Del Fabro, Massimo Tisi, MD Del Fabro, and Massimo Tisi. Transforming Very Large Models in the Cloud: A Research Roadmap. In *First International Workshop on Model-Driven Engineering on and for the Cloud*, 2012.
- [IW19] Hugo Brunelière, Jordi Cabot, Frédéric Jouault, Massimo Tisi, and Jean Bézivin. Industrialization of Research Tools: The ATL Case. In *Third International Workshop on Academic Software Development Tools and Techniques - WASDeTT-3 (Co-Located with the 25th IEEE/ACM International Conference on Automated Software Engineering - ASE'2010)*, pages 1–14, 2010.
- [IW20] Piero Fraternali and Massimo Tisi. Mutation Analysis for Model Transformations in ATL. In *Model Transformation with ATL Workshop (MtATL2009)*, page 145, 2009.
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- [IW22] M. Brambilla, P. Fraternali, and Massimo Tisi. A Metamodel Transformation Framework for the Migration of WebML Models to MDA. In CEUR-WS. Org, editor, *MDWE, CEUR Workshop Proceedings (Best Paper Award)*, pages 91–105, 2008.

Technical Reports

- [TR1] Jean-Claude Royer and Massimo Tisi. Automatically Summarizing all the Problems of a Rule-Based System. Research Report, IMT Atlantique, January 2020.
- [TR2] Massimo Tisi, Salvador Martínez, Frédéric Jouault, and Jordi Cabot. Refining Models with Rule-based Model Transformations. Rapport de recherche, INRIA, March 2011.