

• PERSONAL INFORMATION

Family name, First name: Clarisó, Robert
Researcher unique identifier: ORCID [0000-0001-9639-0186](https://orcid.org/0000-0001-9639-0186)
ResearcherID [B-5450-2009](https://pubs.rsos.org/author/B-5450-2009)
Scopus Author ID [8948086100](https://orcid.org/8948086100)
Date of birth: July 17, 1977
URL for web site: <https://robertclariso.github.io>

• EDUCATION

2005 PhD in Computer Science
Thesis title: *Abstract Interpretation Techniques for the Verification of Timed Systems*
PhD advisor: Dr. Jordi Cortadella
Dept. de Llenguatges i Sistemes Informàtics, Univ. Politècnica de Catalunya, Spain
2000 BSc in Computer Science (*Ingeniería Informática*)
Facultat d'Informàtica de Barcelona, Univ. Politècnica de Catalunya, Spain

• CURRENT POSITION(S)

2005 - Associate Professor
Faculty of IT, Multimedia and Telecommunications, Univ. Oberta de Catalunya, Spain
2023 - Principal investigator at the [SOM Research Lab](#)
UOC-TECH, Univ. Oberta de Catalunya, Spain

• PREVIOUS POSITIONS

2015 - 2023 Member of the [SOM Research Lab](#)
Internet Interdisciplinary Institute (IN3), Univ. Oberta de Catalunya, Spain
2013 - 2014 Resident Researcher
Internet Interdisciplinary Institute (IN3), Univ. Oberta de Catalunya, Spain
2008 - 2015 Director of the [Research Group in Software Engineering](#)
Internet Interdisciplinary Institute (IN3), Univ. Oberta de Catalunya, Spain
2006 - 2011 Part-time associate professor
Dept. d'Eng. Informació i les Comunicacions, Univ. Autònoma de Barcelona, Spain
2006 - 2006 Part-time associate professor
Dept. de Llenguatges i Sistemes Informàtics, Univ. Politècnica de Catalunya, Spain
2000 - 2002 Researcher
Dept. de Llenguatges i Sistemes Informàtics, Univ. Politècnica de Catalunya, Spain
2001 - 2001 Research intern
Cadence Berkeley Labs, Cadence Design Systems, USA

• FELLOWSHIPS AND AWARDS

2023 [Merits in academic management](#) for the period 2010-2019. Universitat Oberta de Catalunya, Spain.
2023 [Merits in research](#) for the period 2017-2022. AQU Catalunya (Catalan University Quality Assurance Agency), Spain
2022 [Merits in teaching](#) for the period 2015-2019. Univ. Oberta de Catalunya, Spain
2018 [Distinguished referee](#) at the *Software: Practice and Experience* journal
2017 [Merits in teaching](#) for the period 2010-2015. Univ. Oberta de Catalunya, Spain
2017 [Merits in research](#) for the period 2011-2016. AQU Catalunya (Catalan University Quality Assurance Agency), Spain
2016 Accreditation as [associate professor](#) (“agregat”, “contratado doctor”). AQU Catalunya (Catalan University Quality Assurance Agency), Spain.
2011 [Merits in research](#) for the period 2005-2010. AQU Catalunya (Catalan University Quality Assurance Agency), Spain
2010 [Merits in teaching](#) for the period 2005-2009. Univ. Oberta de Catalunya, Spain
2008 Accreditation as a [tenure-track lecturer](#) (“lector”, “ayudante doctor”). AQU Catalunya (Catalan University Quality Assurance Agency), Spain

- 2003 - 2005 [FPU Scholarship](#) (Predoctoral grant for Training University Lecturers, Spanish Ministry of Science and Technology). Univ. Politècnica de Catalunya, Spain
- 2000 Special mention in the [Spanish National University Degree Awards](#)
- 2000 Top of the class (1 of 190, GPA: 9.35/10). Facultat d'Informàtica de Barcelona, Spain
- 1999 - 2000 Grant ([Beca Colaboración](#)) for senior Bachelor students, Spanish Ministry of Science and Education. Dept. Llenguatges i Sistemes Informàtics, Univ. Politècnica de Catalunya, Spain

• TEACHING ACTIVITIES

- 2005 - Lecturer - Compilers, Automata Theory, Logic, Algorithms and Data Structures, Graph and Complexity Theory, Knowledge Representation, Formalisation and Proofs, Mobile Software Development. Univ. Oberta de Catalunya, Spain
- 2006 - 2011 Part-time associate professor - Automata theory. Univ. Autònoma de Barcelona, Spain
- 2006 - 2006 Part-time associate professor - Compilers. Univ. Politècnica de Catalunya, Spain

• ORGANISATION OF SCIENTIFIC MEETINGS

- 2025 [Track “Domain-Specific & Knowledge Modeling” at 30th Exploring Modeling Methods for Systems Analysis and Development \(EMMSAD’2025\)](#). Program co-chair (with Dr. Tiago Prince Sales), Austria
- 2025 [Int. Workshop on OCL and Textual Modeling \(OCL’2025\)](#). Program co-chair (with Dr. Lars Hamann), Germany
- 2024 [Track “Domain-Specific & Ontology Modeling” at 29th Exploring Modeling Methods for Systems Analysis and Development \(EMMSAD’2024\)](#). Program co-chair (with Dr. Oscar Pastor and Dr. Tiago Prince Sales), Cyprus
- 2023 [Int. Workshop on OCL and Textual Modeling \(OCL’2023\)](#). Program co-chair (with Dr. Lars Hamann), Sweden
- 2023 [Track “Ingeniería del Software Dirigida por Modelos” at XXVII Jornadas de Ingeniería del Software y Bases de Datos \(ISDM track @ JISBD 2023\)](#), Program co-chair (with Dr. Juan M. Vara), Spain
- 2022 [Int. Workshop on OCL and Textual Modeling \(OCL’2022\)](#). Program co-chair (with Dr. Edward Willink and Dr. Daniel Calegari), Canada
- 2021 [Int. Workshop on OCL and Textual Modeling \(OCL’2021\)](#). Program co-chair (with Dr. Edward Willink and Dr. Daniel Calegari), Norway
- 2018 [Int. Workshop on OCL and Textual Modeling \(OCL’2018\)](#). Program co-chair (with Dr. Achim Brucker and Dr. Hao Wu), Denmark
- 2017 [European Conference on Object-Oriented Programming \(ECOOP’2017\)](#). Student volunteer co-Chair (with Dr. Elvira Pino), Spain
- 2017 [15th Int. Conference on Business Process Management \(BPM’2017\)](#). Demo Session co-Chair (with Dr. Henrik Leopold), Spain
- 2011 [Int. Workshop on OCL and Textual Modeling \(OCL’2011\)](#). Program co-chair (with Dr. Jordi Cabot, Dr. Martin Gogolla and Dr. Burkhart Wolff), Switzerland
- 2008 [27th International Conference on Conceptual Modeling \(ER’2008\)](#). Member of the local organizing committee, Spain
- 2004 [European Joint Conferences on Theory and Practice of Software \(ETAPS’2004\)](#). Member of the local organizing committee, Spain

• INSTITUTIONAL RESPONSIBILITIES at Univ. Oberta de Catalunya

- 2013 - Academic Committee member, PhD Programme in Network and Information Technologies
- 2023 - Coordinator of the “AI in education @ UOC” working group
- 2019 - 2023 Coordinator of Computing degrees in the UOC-IMT Department
- 2020 - 2023 Academic Director, BSc in Techniques for Software Development
- 2015 - 2021 Member of the UOC University Council (representative of academic staff)
- 2019 - 2019 Academic Director, BSc in Computing Engineering
- 2011 - 2019 Academic Director, MSc in Computing Engineering
- 2008 - 2011 Postgraduate director of IT Programmes
- 2008 - 2014 Coordinator of undergraduate thesis for Bachelor students in IT

• COMMISSIONS OF TRUST

- 2025 - 2025 Research project reviewer (PID 2024 call). Agencia Estatal de Investigación, Spain
- 2023 - 2023 Project reviewer for the Fondo Clemente Estable – Agencia Nacional de Investigación e Innovación (ANII), Uruguay
- 2021 - 2022 Research and R&D project reviewer. Agencia Estatal de Investigación, Spain
- 2012 - 2013 Teaching Performance Review Board member. Univ. Oberta de Catalunya, Spain
- 2009 - 2010 External project reviewer, Israel Science Foundation (ISF)

Selected PC Member: Int. Conf. on Software Engineering and Formal Methods (SEFM'2019), Int. Conf. on Model Driven Engineering Languages and Systems (MODELS'2015; Educator Symposium 2018, 2022-2025; NIER track 2025), Int. Conf. On Tests and Proof (TAP'2011-2015), Int. Conf. on the Quality of Information and Communications Technology (QUATIC'2018-2021), Int. Conf. Appl. of Concurrency to System Design (ACSD'2011, 2014), Int. Conf. on Model Transformation (ICMT'2010), European Conf. on Modelling Foundations and Applications (ECMFA'2021), AAAI/ACM Conference on AI, Ethics and Society (AIES'2025), DataMod Int. Conf. – From Data to Models and Back (DataMod'2025), Int. Workshop on Gamification and Games for Learning (GamiLearn'2018-2019), Int. Conf. on Electronics, Electrical Engineering and Computing (INTERCON'2017-2018), IEEE Andean Council International Conference (ANDESCON'2016), Int. Workshop on OCL and Textual Modeling (OCL'2010-2017, 2019), Workshop on Model-Driven Engineering, Logic and Optimization (MELO'2011,2016), Workshop on Model-Driven Interoperability (MDI'2010), Int. Workshop on Artificial Intelligence and Model-Driven Engineering (MDE Intelligence'2023-2024), Jornadas de Ingeniería del SW y BB.DD. (JISBD'2011-2015, 2017-2023).

Selected Conference Reviewer: ASYNC (2005, 2007), ATPN (2002-2003, 2007, 2011-2013), DAC (2003-2004), FORMATS (2003-2004), ASP-DAC (2003), SAS (2008), ASE (2009,2014), FASE (2009, 2011, 2014, 2017, 2021), MODELS (2009-2011, 2020), VLHCC (2010), ICMT (2010), ICFEM (2010), ACSD (2010), SLE (2011, 2017), SEFM (2013), ECMFA (2011, 2014, 2016).

Selected Journal Reviewer: IEEE Transactions on CAD (2007), Higher Order and Symbolic Computation (2008), Simulation (2008-2009), ACM Transactions on Software Engineering Methodology (2011-2012,2024-2025), Computers & Electrical Engineering (2013), Science of Computer Programming (2013,2022-2025), Software and Systems Modeling (2013, 2015-2017, 2019-2021, 2024), IEEE Transactions on Learning Technologies (2014), ACM Transactions on Embedded Computing Systems (2014), IET Software (2015-2017), Journal of Object Technology (2015, 2019-2020), Journal of Systems and Software (2015-2018, 2021-2022, 2024-2025), Computer (2017), Computer Languages, Systems and Structures (2017-2018), Educational Technology in Higher Education (2017-2018, 2023-2024), Software: Practice & Experience (2017-2018), Information Systems (2018), IEEE Transactions on Software Engineering (2019-2020, 2023-2025), Formal Aspects of Computing (2020-2021), Software Quality Journal (2021), Journal of Web Semantics (2021-2022), Fundamenta Informaticae (2022), Expert Systems with Applications (2024-2025), International Review of Research in Open and Distributed Learning (2024), Computers & Education: Artificial Intelligence (2025), Innovations in Systems and Software Engineering (2025).

• PhD THESIS SUPERVISED

1. Anjali Sree-Kumar (2023). [Guided requirements engineering using feature oriented software modeling](#). PhD advisors: Elena Planas, Robert Clarisó. Doctoral Programme in Network and Information Technologies, Universitat Oberta de Catalunya. Qualification: Excellent cum laude.

• GRANTS AND RESEARCH PROJECTS

<i>Project title</i>	<i>Funding source</i>	<i>Amount (Euros)</i>	<i>Period</i>	<i>Principal Investigator</i>
Design automation for embedded electronic systems	Cadence Design Systems	57.632€	2001 - 2002	Jordi Cortadella (Univ. Politècnica de Catalunya, Spain)
MAVERISH: Modeling, Verification and Analysis of Heterogeneous Systems	Spanish Ministry of Science and Technology Project ID: CICYT	275.000€	2002 - 2004	Fernando Orejas (Univ. Politècnica de Catalunya, Spain)
Design and construction of a conceptual modelling assistant	Spanish Ministry of Science and Education Project ID: TIN2008-00444	169.000€	2009 - 2014	Antoni Olivé (Univ. Politècnica de Catalunya, Spain)
Best practices in Bachelor's final projects	Spanish Ministry of Science and Innovation Project ID: E/A2011-0088	22.566€	2012 - 2012	Davínia Hernández-Leo (Univ. Pompeu Fabra, Spain)
Research Group in Software Engineering	AGAUR (Catalan Agency for University and Research Grants), Spain	–	2014 - 2016	Robert Clarisó (Univ. Oberta de Catalunya, Spain)
ICT-FLAG: Enhancing ICT education through Formative Assessment, Learning Analytics and Gamification	Spanish Ministry of Economy and Competitivity Project ID: TIN2013-45303-P	63.712€	2014 - 2016	Robert Clarisó, Santi Caballé (Univ. Oberta de Catalunya, Spain)
Open Data for All: an API-based infrastructure for exploiting online data sources	Spanish Ministry of Economy and Competitivity Funding ID: TIN2016-75944-R	77.198€	2017 - 2020	Jordi Cabot (ICREA, Spain)
Spanish Research Network in Model-Driven Engineering (MDE)	Spanish Ministry of Economy, Industry and Competitivity Project ID: TIN2016-81836-REDT	15.000€	2017-2019	Robert Clarisó (Univ. Oberta de Catalunya, Spain)
MegaM@Rt2: MegaModelling at Runtime - scalable model-based framework for continuous development and runtime validation of complex systems	H2020 ECSEL Joint Undertaking Project ID: 737494	16.5M€	2017 - 2020	UOC Node: Jordi Cabot (ICREA, Spain)
LOCOS: Low-code development of smart software	Spanish Ministry of Science and Innovation Project ID: PID2020-114615RB-I00	47.000€	2021-2024	Robert Clarisó (Univ. Oberta de Catalunya, Spain), Jordi Cabot (ICREA, Spain)
AIDOART: AI-augmented automation for efficient DevOps	H2020 ECSEL Joint Undertaking Project ID: 101007350	234.996€	2021-2024	UOC NodeE: Jordi Cabot (ICREA, Spain)

TRANSACT: Transform safety-critical cyber-physical systems into distributed solutions for end-users and partners	H2020 ECSEL Joint Undertaking Project ID: 101007260	312.448€	2021-2024	UOC Node: Abel Gómez (UOC, Spain)
BODI: Bots for Open Data Interactions - Conversational Interfaces to facilitate the access to public data	Spanish Ministry of Science and Innovation Project ID: PDC2021-121404-I00	91.600€	2021-2023	Jordi Cabot (ICREA, Spain)
BOSS: Bots Inteligentes para el desarrollo de Open Source	Spanish Ministry of Science and Innovation Project ID: TED2021-130331B-I00	101.100€	2022-2024	Javier Cánovas (UOC, Spain)
SE4GenAI: Software Engineering methods and tools for systems embedding Generative Artificial Intelligence	Spanish Ministry of Science, Innovation and Universities Project ID: PID2023-147592OB-I00	136.375€	2024-2027	Robert Clarisó (UOC, Spain), Javier Cánovas (UOC, Spain)

• MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2023 - 2025 Spanish Research Network “AI4Software” (Artificial Intelligence for Software Engineering, RED2022-134647-T).
- 2017 - 2019 Spanish Research Network “MDE” (Model-Driven Software Engineering, TIN2016-81836-REDT).
- 2015 - 2016 Spanish Research Network “MDE” (Model-Driven Software Engineering, TIN2014-53555-REDT).
- 2012 - 2014 Spanish Research Network “TeDIS” (Technologies for the Industrial Development of Software, TIN 2011-15009-E).
- 2009 - 2011 Spanish Research Network “DSDM” (Model-Driven Software Development, TIN2008-00889-E/TIN).
- 2006 - Association for Computer Machinery (ACM).
- 2006 - 2012 Institute of Electrical and Electronic Engineers (IEEE).
- 2002 - 2003 Working Group on Asynchronous Circuit Design (ACID-WG, IST-1999-29119).

• BOOKS

1. Santi Caballé, Robert Clarisó (editors). [Formative Assessment, Learning Data Analytics and Gamification in ICT Education](#). Intelligent Data Centric Systems series, Academic Press - Elsevier, 2016. ISBN: 978-0-12-803637-2

• INDEXED JOURNAL PUBLICATIONS

1. Sergio Morales, Robert Clarisó, Jordi Cabot. [LangBiTe: An open-source platform to automate bias testing of large language models](#). SoftwareX, Volume 31, 192248, 2025.
2. Friedrich Steimann, Robert Clarisó, Martin Gogolla. [Meet OCL#, A Relational Object Constraint Language](#). Software and Systems Modeling, 2025.
3. Sergio Morales, Robert Clarisó, Jordi Cabot. [Impromptu: a framework for model-driven prompt engineering](#). Software and Systems Modeling, 2025.
4. Lola Burgueño, Paula Muñoz, Robert Clarisó, Jordi Cabot, Sébastien Gérard, Antonio Vallecillo. [Dealing with belief uncertainty in software models](#). ACM Transactions on Software Engineering and Methodology. 32(2), article 31, pp. 1–34, 2023.

5. Robert Clarisó, Jordi Cabot. [Low Code for Smart Software Development](#). IEEE Software, 40(1):89–93, 2023.
6. Robert Clarisó, Jordi Cabot. [User-driven diverse scenario exploration in model finders](#). Science of Computer Programming, 215(102745), 2022.
7. Robert Clarisó, Carlos A. González, Jordi Cabot. [Smart Bound Selection for the Verification of UML/OCL Class Diagrams](#). IEEE Transactions on Software Engineering, 45(4):412–426, 2019.
8. David Bañeres, Robert Clarisó. [Evaluation of a New Self-Study Platform for Introductory Digital Systems](#). International Journal of Engineering Education, 35(1(A)):286–303, 2019.
9. Athanasios Zolotas, Robert Clarisó, Nicholas Matragkas, Dimitrios S. Kolovos, Richard F. Paige. [Constraint Programming for Type Inference in Flexible Model-Driven Engineering](#). Computer Languages, Systems & Structures, 49:216–230, 2017.
10. Robert Clarisó, Jordi Cabot, Esther Guerra, Juan de Lara. [Backwards reasoning for model transformations: Method and applications](#). Journal of Systems and Software, 116:113–132, 2016.
11. Jordi Cabot, Robert Clarisó, Daniel Riera. [On the Verification of UML/OCL Class Diagrams Using Constraint Programming](#). Journal of Systems and Software, 93:1–23, 2014.
12. David Bañeres, Robert Clarisó, Josep Jorba, Montse Serra. [Experiences in Digital Circuit Design Courses: A Self-Study Platform for Learning Support](#). IEEE Transactions on Learning Technologies, 7(4):360–374, 2014.
13. Jordi Cabot, Robert Clarisó, Esther Guerra, Juan de Lara. [Verification and Validation of Declarative Model-to-Model Transformations Through Invariants](#). Journal of Systems and Software, 83(2): 283–302, 2010.
14. Jordi Cabot, Robert Clarisó, Esther Guerra, Juan de Lara. [A UML/OCL Framework for the Analysis of Graph Transformation Rules](#). Software and Systems Modeling. 9(3): 335–357, 2010.
15. Robert Clarisó, Jordi Cortadella. [The octahedron abstract domain](#). Science of Computer Programming, 64(1):115–139, 2007.
16. Robert Clarisó, Jordi Cortadella. [Verification of Concurrent Systems with Parametric Delays using Octahedra](#). Fundamenta Informaticae, 78(1):1–33, 2007.

• NON-INDEXED JOURNAL PUBLICATIONS

1. Robert Clarisó. [Intel·ligència artificial generativa i sostenibilitat](#). Oikonomics (ISSN 2330-9546), num 24, 2025. DOI: <https://doi.org/10.7238/o.n24.2501>
2. Sergio Morales, Robert Clarisó, Jordi Cabot. [Unveiling Ethical Biases in Generative AI](#). ERCIM News 136:23–24, 2024.
3. Robert Clarisó, Lola Burgueño, Jordi Cabot. [Managing Design-time Uncertainty in OCL Expressions](#). Journal of Object Technology, 21(4):1–10, 2022. DOI: <https://doi.org/10.5381/jot.2022.21.4.a8>.
4. Robert Clarisó, Carlos A. González, Jordi Cabot. [Incremental Verification of UML/OCL models](#). Journal of Object Technology, 19(3):1–16, 2020. DOI: [10.5381/jot.2020.19.3.a7](https://doi.org/10.5381/jot.2020.19.3.a7).
5. José-Ramón Rodríguez, Robert Clarisó, Josep Maria Marco-Simó. [Towards a Framework for Assessing IT Strategy Execution](#). Computers, 8(69), 2019. DOI: [10.3390/computers8030069](https://doi.org/10.3390/computers8030069)
6. David Gañán, Santi Caballé, Robert Clarisó, Jordi Conesa, David Bañeres. [ICT-FLAG: A Web-based e-Assessment Platform Featuring Learning Analytics and Gamification](#). International Journal of Web Information Systems, 13(1), 2017. DOI: [10.1108/IJWIS-12-2016-0074](https://doi.org/10.1108/IJWIS-12-2016-0074).

7. Robert Clarisó, María Jesús Marco, Josep Maria Marco-Simó, Josep Prieto, Daniel Riera. [El Máster Universitario en Ingeniería Informática en un contexto no presencial](#). *ReVisión*, 8(2), 2015.
8. Jordi Cabot, Robert Clarisó. [Evaluating the Quality of Software Models using Light-weight Formal Methods](#). *ERCIM News*, 99:29–30, 2014.
9. Àngels Rius, Robert Clarisó, David Masip. [Student projects empowering mobile learning in higher education](#). *Universities and Knowledge Society Journal (RUSC)*, 11(1):192–207, 2014.
10. Davinia Hernández-Leo, Verónica Moreno Oliver, Irene Camps, Robert Clarisó, Alejandra Martínez-Monés, María Jesús Marco, Javier Melero. [Implementación de buenas prácticas en los Trabajos Fin de Grado](#). *Revista de Docencia Universitaria*, 11:269–278, 2013.
11. Jordi Cabot, Robert Clarisó, Martin Gogolla, Burkhart Wolff. [Preface to the Proceedings of the Workshop on OCL and Textual Modeling \(OCL 2011\)](#). *Electronic Communications of the EASST*, 44, 2011.

• INTERNATIONAL CONFERENCE PUBLICATIONS

1. Juan Antonio Gómez-Gutiérrez, Robert Clarisó. [Interactive repair of inconsistencies in conceptual models](#), 44th International Conference on Conceptual Modeling (ER'2025). *Lecture Notes in Computer Science*, to appear, Springer.
2. Sergio Morales, Robert Clarisó, Jordi Cabot. [ImageBiTe: A Framework for Evaluating Representational Harms in Text-to-Image Models](#), 4th International Conference on AI Engineering - Software Engineering for AI (CAIN'2025), pp. 95–106, IEEE.
3. Sergio Morales, Robert Clarisó, Jordi Cabot. [A DSL for Testing LLMs for Fairness and Bias](#), ACM/IEEE 27th International Conference on Model Driven Engineering Languages and Systems (MODELS'2024), pp. 203–213, ACM.
4. Marcos-Gómez-Vázquez, Jordi Cabot, Robert Clarisó. [Automatic Generation of Conversational Interfaces for Tabular Data Analysis](#). *ACM Conversational User Interfaces (CUI'2024)*, pp.1-6, ACM.
5. Robert Clarisó, Jordi Cabot. [Model-Driven Prompt Engineering](#). In *ACM/IEEE 26th International Conference on Model-Driven Engineering Languages and Systems (MODELS'2023)*, pp. 47–54, IEEE.
6. Friedrich Steimann, Robert Clarisó, Martin Gogolla. [OCL Rebuilt, from the Ground Up](#). In *ACM/IEEE 26th International Conference on Model-Driven Engineering Languages and Systems (MODELS'2023)*. pp. 194–205, IEEE.
7. Sergio Morales, Elena Planas, Robert Clarisó, Martin Gogolla. [Generative AI in Model-Driven Software Engineering Education: Friend or Foe?](#) In *Educators' Symposium at ACM/IEEE 26th International Conference on Model-Driven Engineering Languages and Systems (MODELS'2023)*, pp. 110-113, IEEE.
8. Sergio Morales, Robert Clarisó, Jordi Cabot. [Automating Bias Testing of LLMs](#). In *38th IEEE/ACM International Conference on Automated Software Engineering (ASE'2023)*. pp. 1705–1707.
9. Sergio Morales, Robert Clarisó, Jordi Cabot. [Towards a DSL for AI Engineering Process Modeling](#). In *International Conference on Product-Focused Software Process Improvement (PROFES'2022)*. *Lecture Notes in Computer Science*, vol 13709, pp. 53–60, Springer.
10. Juan Antonio Gómez-Gutiérrez, Robert Clarisó, Jordi Cabot. [A Tool for Debugging Unsatisfiable Integrity Constraints in UML/OCL Class Diagrams](#). In *Proc. 27th International Working Conference on Exploring Modeling Methods for Systems Analysis and Development (EMM-SAD'2022)*. *Lecture Notes in Business Information Processing* vol. 450, pp. 267–275, Springer.

11. Loli Burgueño, Robert Clarisó, Shuai Li, Sébastien Gérard, Jordi Cabot. [A NLP-based architecture for the autocompletion of partial domain models](#). In Proc. 33rd International Conference on Advanced Information Systems Engineering (CAISE'2021). Lecture Notes in Computer Science, vol. 12751, pp. 91–106, Springer. DOI: 10.1007/978-3-030-79382-1_6
12. Anjali Sree-Kumar, Elena Planas, Robert Clarisó. [Validating Feature Models With Respect to Textual Product Line Specifications](#). In Proc. 15th International Working Conference on Variability Modelling of Software-Intensive Systems (VaMOS'2021), article #15, pp.1–10, ACM.
13. Mattia Gasparini, Robert Clarisó, Marco Brambilla, Jordi Cabot. [Participation Inequality and the 90-9-1 Principle in Open Source](#). In Proc. 16th International Symposium on Open Collaboration (OpenSym'2020), Virtual Conference, ACM.
14. Robert Clarisó, Jordi Cabot. [Diverse scenario exploration in model finders using graph kernels and clustering](#). In Proc. 7th International Conference on Rigorous State Based Methods (ABZ'2020), pp. 27–43, Springer.
15. Loli Burgueño, Jordi Cabot, Robert Clarisó, Martin Gogolla. [A Systematic Approach to Generate Diverse Instantiations for Conceptual Schemas](#). In Proc. 38th International Conference on Conceptual Modeling (ER'2019), Lecture Notes in Computer Science, vol 11788, pp. 512–531, Springer.
16. Mattia Gasparini, Javier Luis Cánovas-Izquierdo, Robert Clarisó, Marco Brambilla, Jordi Cabot. [Analyzing Rich-Club Behavior in Open Source Projects](#). In Proc. 15th International Symposium on Open Collaboration (OpenSym'2019), pp. 6:1–6:9.
17. José-Ramón Rodríguez, Robert Clarisó, Josep Maria Marco-Simó. [Strategy in the making: Assessing the execution of a Strategic Information Systems Plan](#). In Proc. European, Mediterranean and Middle Eastern Conference on Information Systems (EMCIS'2018), Lecture Notes in Business Information Processing, vol 341, pp. 475–488, Springer.
18. Anjali Sree-Kumar, Elena Planas, Robert Clarisó. [Extracting Software Product Line Feature Models from Natural Language Specifications](#). In. Proc. 22nd International Systems and Software Product Line Conference (SPLC'2018), Volume 1, pp. 43–53, ACM.
19. Robert Clarisó, Jordi Cabot. [Fixing defects in integrity constraints via constraint mutation](#). In Proc. 11th International Conference on the Quality of Information and Communications Technology (QUATIC'2018), pp. 74–82, IEEE, 2018.
20. Jesús Sánchez Cuadrado, Esther Guerra, Juan de Lara, Robert Clarisó, Jordi Cabot. [Translating target to source constraints in model-to-model transformations](#). In Proc. 20th ACM/IEEE International Conference on Model Driven Engineering Languages and Systems (MODELS'2017), pp. 12–22, IEEE Computer Society, 2017.
21. David Bañeres, Santi Caballé, Robert Clarisó. [Towards a Learning Analytics Support for Intelligent Tutoring Systems on MOOC Platforms](#). In Proc: 10th International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS'2016), pp.103–110, IEEE Computer Society, 2016.
22. David Gañán, Santi Caballé, Robert Clarisó, Jordi Conesa. [Analysis and Design of an eLearning Platform Featuring Learning Analytics and Gamification](#). In Proc: 10th International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS'2016), pp.87–94, IEEE Computer Society, 2016.
23. David Gañán, Santi Caballé, Robert Clarisó, Jordi Conesa. [A Prototype of an eLearning Platform in Support for Learning Analytics and Gamification](#). International Conference on Intelligent Networking and Collaborative Systems (INCos'2016), pp. 362–369, IEEE, 2016.
24. Robert Clarisó, Carlos A. González, Jordi Cabot. [Towards domain refinement for UML/OCL bounded verification](#). In Proc. 13th Int. Conf. on Software Engineering and Formal Methods (SEFM'2015), pages 108–114, volume 9276 of LNCS, Springer, 2015.

25. Asadullah Shaikh, Robert Clarisó, Uffe Kock Wiil, Nasrullah Memon. [Verification-driven slicing of UML/OCL Models](#). In Proc. 25th IEEE/ACM Int. Conf. on Automated Software Engineering (ASE'2010), pages 185-194, ACM, 2010.
26. Jordi Cabot, Robert Clarisó, Esther Guerra, Juan de Lara. [Synthesis of OCL Pre-conditions for Graph Transformation Rules](#). In Proc. 3rd Int. Conf. on Model Transformation (ICMT'2010), volume 6142 of LNCS, pages 45-60, Springer-Verlag, 2010.
27. Jordi Cabot, Robert Clarisó, Daniel Riera. [Verifying UML/OCL Operation Contracts](#). In Proc. 7th Int. Conf. on Integrated Formal methods (iFM'2009), volume 5423 of LNCS, pages 40-55, Springer-Verlag, February 2009.
28. Jordi Cabot, Robert Clarisó, Esther Guerra, Juan de Lara. [An Invariant-Based Method for the Analysis of Declarative Model-to-Model Transformations](#). In Proc. 11th Int. Conf. on Model-Driven Engineering Languages and Systems (MODELS'2008), volume 5301 of LNCS, pages 37-52, Springer-Verlag, September 2008.
29. Jordi Cabot, Robert Clarisó, Esther Guerra, Juan de Lara. [Analysing Graph Transformation Rules Through OCL](#). In Proc. Int. Conf. on Model Transformation (ICMT'2008), volume 5063 of LNCS, pages 225-239, Springer-Verlag, July 2008.
30. Jordi Cabot, Robert Clarisó, Daniel Riera. [UMLtoCSP: A Tool For the Formal Verification of UML/OCL Models Using Constraint Programming](#). In Proc. 22nd ACM/IEEE Int. Conf. on Automated Software Engineering (ASE'2007), pages 547-548. November 2007.
31. Robert Clarisó and Jordi Cortadella. [Verification of Concurrent Systems with Parametric Delays Using Octahedra](#). In Proc. 5th Int. Conf. on Application of Concurrency to System Design (ACSD'2005), pages 122-131, IEEE Computer Society Press. 2005.
32. Robert Clarisó, Enric Rodríguez-Carbonell and Jordi Cortadella. [Derivation of Non-structural Invariants of Petri Nets Using Abstract Interpretation](#). In Proc. 26th Int. Conf. On Application and Theory of Petri Nets and Other Models of Concurrency (ICATPN'2005), volume 3536 of LNCS, pages 188-207, Springer-Verlag, 2005.
33. Robert Clarisó and Jordi Cortadella. [The octahedron abstract domain](#). In 11th Static Analysis Symposium (SAS'2004), volume 3148 of LNCS, pages 312-327. Springer-Verlag, 2004.

• WORKSHOP AND NATIONAL CONFERENCE PUBLICATIONS

1. David García-Solórzano, Nati Cabrera, Carolina García-Londoño, Maria Jesús Marco-Galindo, Julià Minguillón, Carlos Casado-Martínez, Marcelo Fabián Maina, Montse Vall-llovera Llovet, Rosa Maria Mayordomo, Lourdes Guàrdia Ortiz, Robert Clarisó. [FeedSmart: una herramienta basada en IA generativa para asistir al profesorado en la elaboración de feedback formativo y personalizado](#). XXXI Jornadas sobre la Enseñanza Universitaria de la Informática (JENUI'2025).
2. Fernando Ares-Robledo, Helena Rifà-Pous, Robert Clarisó. [Hyperparameter Optimization in Neuro-Symbolic Unsupervised Graph Learning](#). 5th International Workshop on Graph-based Approaches for CyberSecurity (GRASEC'2025).
3. Rubén Rodríguez , Robert Clarisó, and Javier Luis Cánovas Izquierdo. [Análisis de Proyectos Open-Source mediante un Framework Orientado a las Comunidades](#). XXIX Jornadas de Ingeniería del Software y Bases de Datos (JISBD'2025).
4. Nati Cabrera, David García-Solórzano, Carolina García-Londoño, Marcelo Maina, Montse Vall-llovera, Rosa Maria Mayordomo, Lourdes Guàrdia, Maria Jesús Marco, Julià Minguillón, Carlos Casado, Robert Clarisó. [Using Generative AI to Assist Teachers in Developing Personalized, Formative and Quality Feedback in Higher Education](#). 37th EdMedia + Innovate Learning (EdMedia'2025). AACE.

5. Abel Gómez, Iván Alfonso, Silvia Doñate, Jordi Cabot, Robert Clarisó. [Role-based access control in wastewater treatment plants: An industrial use case](#). Jornadas de Ingeniería del Software y Bases de Datos (JISBD'2024).
6. Marcos Gómez, Sergio Morales, German Castignani, Robert Clarisó, Aaron Corardy, Louis Deladienne, Samuel Renault, Jordi Cabot. [A Leaderboard to Benchmark Ethical Biases in LLMs](#). Workshop on AI bias: Measurements, Mitigation, Explanation Strategies (AIMMES'2024). CEUR Workshop Proceedings, vol. 3744, 2024.
7. Jordi Cabot, Daniel Calegari, Robert Clarisó, Martin Gogolla, Antonio Vallecillo, Edward D. Willink. [A SWOT Analysis of the Object Constraint Language](#). OCL 2021 (STAF Workshop proceedings), 178–184, 2021.
8. Martin Gogolla, Robert Clarisó, Bran Selic, Jordi Cabot. [Towards Facilitating the Exploration of Informal Concepts in Formal Modeling Tools](#). 18th Workshop on Model Driven Engineering, Verification and Validation (MoDeVVA'2021) - co-located with MODELS'2021, Virtual Event.
9. Jordi Cabot, Loli Burgueño, Robert Clarisó, Gwendal Daniel, Jorge Perianez-Pascual, Roberto Rodríguez-Echeverría. [Testing challenges for NLP-intensive bots](#). 3rd International Workshop on Bots in Software Engineering (BotSE'2021), Madrid, Spain (virtual event), pp. 31–34, IEEE. DOI: 10.1109/BotSE52550.2021.00014
10. Robert Clarisó, Martin Gogolla. [A Feasibility Study on Using Classifying Terms in Alloy](#). 19th International Workshop in OCL and Textual Modeling (OCL'20129), Munich, Germany.
11. Javier Luis Cánovas-Izquierdo, Robert Clarisó, David Bañeres. [Una herramienta para la evaluación de debates en aulas virtuales](#). XXV Jornadas sobre la Enseñanza Universitaria de la Informática (JENUI 2019).
12. Loli Burgueño, Robert Clarisó, Jordi Cabot, Sébastien Gérard, Antonio Vallecillo. [Belief Uncertainty in Software Models](#). In Proc. 11th Workshop on Modelling in Software Engineering (MiSE'2019) - co-located with ICSE'2019, 19–26.
13. Robert Clarisó, Jordi Cabot. [Applying Graph Kernels to Model-Driven Engineering Problems](#). In Proc. 1st International Workshop on Machine Learning and Software Engineering in Symbiosis (MASSES'2018). ISBN: 978-1-4503-5972-6/18/09. ACM, New York.
14. Jordi Cabot, Robert Clarisó, Marco Brambilla, Sébastien Gérard. [Cognifying Model-Driven Software Engineering](#). In Proc. Workshop on Grand Challenges in Modeling 2017 (Grand'2017).
15. Robert Clarisó, Joan Arnedo-Moreno, David Bañeres, Santi Caballé, Jordi Conesa, David Gañán. [Gamification as a Service for Formative Assessment E-Learning Tools](#). In Proc. 1st Workshop on Gamification and Games for Learning (GamiLearn'2017). ISBN: 978-84-697-3570-1. 2017.
16. David Gañán, Santi Caballé, Robert Clarisó, Jordi Conesa. [Towards the Effective Software Development of an eLearning Platform Featuring Learning Analytics and Gamification](#). In Proc. 4th Int. Workshop on Collaborative Enterprise Systems (COLLABES'2016) in conjunction with the 30th IEEE Int. Conf. on Advanced Information Networking and Applications (AINA'2016), March 23–25, 2016. Crans-Montana, Switzerland, pp. 177–182. IEEE Computer Society. ISBN: 978-1-5090-2461-2/16. **Best paper award**
17. Anjali Sree-Kumar, Elena Planas, Robert Clarisó. [Analysis of Feature Models Using Alloy: A Survey](#). In Julia Rubin and Thomas Thüm: Proc. 7th Int. Workshop on Formal Methods and Analysis in Software Product Line Engineering (FMSPLE 2016), Eindhoven, The Netherlands, April 3, 2016, Electronic Proceedings in Theoretical Computer Science 206, pp. 46–60.
18. Ignacio Colomina, Joan Arnedo-Moreno, Robert Clarisó. [A Study on Practices against Malware in Free Software Projects](#). In Proc. 9th International Symposium on Frontiers of Information Systems and Network Applications (FINA'2013) in conjunction with the 27th International Conference on Advanced Information Networking and Applications (AINA'2013), pp. 1070–1075, 2013.

19. Carlos A. González, Fabian Büttner, Robert Clarisó, Jordi Cabot. [EMFtoCSP: a tool for the lightweight verification of EMF models](#). In Proc. 1st Int. Workshop on Formal Methods in Software Engineering - Rigorous and Agile Approaches (FormSERA), 44-50, IEEE, 2012.
20. Salvador Sánchez-Alonso, Daniel Rodríguez-García, Robert Clarisó. [Comparing a fully online course to a blended one: the case of compilers](#). In. Proc. 2nd Workshop on Methods and Cases in Computing Education (MCCE'09), 2009.
21. Jordi Cabot, Robert Clarisó. [UML/OCL Verification in Practice](#). In Proc. 1st International Workshop on Challenges in Model-Driven Software Engineering (ChaMDE'2008), 2008.
22. Jordi Cabot, Robert Clarisó, Daniel Riera. [Verification of UML/OCL Class Diagrams using Constraint Programming](#). In Proc. ICST Workshop on Model Driven Engineering, Verification and Validation: Integrating Verification and Validation in MDE (MoDeV'2008), pp. 73–80, 2008.
23. Jordi Cabot, Robert Clarisó, Patricia de la Fuente, Daniel Riera. [UMLtoCSP: Una herramienta para la verificación de modelos UML/OCL mediante Constraint Programming](#). XII Jornadas de Ingeniería del Software y Bases de Datos (JISBD 2007), pp. 385–386, 2007.
24. Robert Clarisó, Jordi Cortadella. [Verification of parametric timed circuits using octahedra](#). In Proc. International Workshop on Designing Correct Circuits (DCC'04), 2004.
25. Robert Clarisó, Jordi Cortadella. [Verification of timed circuits with symbolic delays](#). In Proc. of the 12th International Workshop on Logic and Synthesis (IWLS'03), pp. 310–317, 2003.
26. Robert Clarisó, Jordi Cortadella. [Symbolic timing analysis for the verification of asynchronous circuits](#). In 3rd Workshop of the Working Group on Asynchronous Circuit Design (ACiD-WG'03), 2003.
27. Robert Clarisó, Jordi Cortadella, Alex Kondratyev, Luciano Lavagno, Claudio Passerone and Yosinori Watanabe. [Synthesis of embedded software for reactive systems](#). In Proc. 2nd International Workshop on Integration of Specification Techniques for Applications in Engineering (INT'02), pp. 2–20, 2002.

• INVITED PRESENTATIONS

1. Invited course: *Incorporar la IA generativa en la docencia y gestión de la universidad: el caso de la Universitat Oberta de Catalunya (UOC)*. Curso de verano “[Una IA hablando con otra IA. Gestión de la calidad universitaria](#)”. Universidad Complutense de Madrid. 03/07/2025.
2. Invited talk: *¿Qué pasa entre el prompt y la respuesta? Una mirada al funcionamiento de la IA*. XV Jornada de Innovación Docente Universitaria e Inteligencia Artificial: retos para las disciplinas jurídicas y sociales. Universitat Oberta de Catalunya. 26/06/2025.
3. Invited talk: *ChatGPT entra a l'aula: i ara què fem?*. Taula rodona a la Jornada d'Innovació docent 2025. Universitat Autònoma de Barcelona. 07/05/2025
4. Invited course: *IA generativa en l'ensenyament superior*. Institut Nacional d'Educació Física de Catalunya. 13/03/2025
5. Invited course: *IA generativa (IAG) i educació*. Escola Universitària Salesiana de Sarrià - EUSS School of Engineering. 23/10/2024.
6. Invited course: *IA Generativa en la Universidad y la Práctica Docente*. VII Jornadas de Innovación Educativa de la Facultad de Ciencias Jurídicas de la Universidad de Las Palmas de Gran Canaria. 16/10/2024-17/10/2024.
7. Invited talk: *IA Generativa en l'Àmbit de l'Educació*. XI Jornada de Docència del Departament d'Enginyeria de Serveis i Sistemes d'Informació. 9/07/2024.

8. Invited course: *Model-Driven Engineering meets Artificial Intelligence*. Postgraduate course at the [Facultad de Ingeniería](#) of the [Universidad de la República](#). Montevideo, Uruguay. 08/04/2019-10/04/2019.
9. Invited talk: *Máster en Ingeniería Informática: Una perspectiva online*. [Panel on “Desafíos de los Másteres en Ingeniería Informática”](#). XXI Jornadas sobre la Enseñanza Universitaria de la Informática. Andorra la Vella, Andorra. 10/07/2015.
10. Invited talk: *Applying Constraint Programming to MDE problems*. AtlanMod research group. INRIA/LINA/École des Mines de Nantes, France. 14/12/2010.
11. Invited talk: *Verifying UML/OCL class diagrams*. Masters Course on “Formal Model-Driven Software Development”. Escuela Politécnica Superior, Univ. Autónoma de Madrid, Spain. 09/12/2008.