



Lola Burgueño

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Lola Burgueño obtained her PhD with honors in Computer Science from the University of Málaga in 2016. Her thesis, supervised by Prof. Vallecillo (University of Málaga) and Prof. Wimmer (Technological University of Vienna) addressed the field of Model-driven Engineering. Apart from her regular visits to Vienna, she spent 7 months in the United States as part of two research stays: 4 months at the University of Alabama under the supervision of Prof. Jeff Gray in 2014, and 3 months at Vanderbilt University with Prof. Gabor Karsai in 2016 as a postdoctoral researcher; and 6 months in Canada working together with Prof. Houari Sahraoui at the Université de Montréal in 2022. Between 2018 and 2020, she did a postdoc at UOC (Barcelona) and CEA LIST (Paris, France) fully funded by CEA LIST. From July 2020 until September 2023, she was a Juan de la Cierva Incorporación Fellow. Currently, she is an associate professor at the University of Málaga.

Her research interests focus mainly on the field of Model-Driven Software Engineering. She has made contributions to the application of artificial intelligence techniques to improve software development processes; uncertainty management during the software design phase; model-based software testing, and the design of algorithms and tools for improving the performance of model transformations.

Her work has been of interest to the community, with papers published in the main venues (e.g., TSE, IST, SoSyM, CAiSE, or ICSE), some of which have been awarded. She has been invited to deliver keynote/talks in international events such as the Lowcomote workshop and MSc courses at UUlM (Germany). She has received regular invitations to Bellairs and Dagstuhl workshops, and funded visits to research groups (e.g., BIG research group of TU Wien). She maintains an active and continuous participation in international events, performing roles not only in their organization, but also as a member of its program committees. She has been the PC Chair of two international conferences and of one national track. She is also in the Editorial Board of the SoSyM journal and has received the best reviewer award of the MODELS conference.

Some indicators of her research activity include:

- 20 journal papers, most of them indexed in JCR first or second quartiles (Q1, Q2) at the time of publication
- 10 conference papers published in top venues according to the GGS ranking: 5 in MODELS, 1 in RE, 1 in ICSOC, 1 in CAiSE, 1 in ASE and 1 in ICSE-NIER
- 44 papers in peer-reviewed conferences, 37 international and 8 national (Spanish).
- 1 book chapter
- According to DBLP, she has 117 different co-authors.



- Her Google Scholar h-index is 19

She has supervised 9 final year projects (TFM, TFG), some of them with research results that ended up being published. She has supervised two internships with a strong research focus, one of them funded by UOC internal competitive call.

Among the community service activities that she has carried out, it is worth mentioning:

- PC co-chair of ECMFA'21 and SLE'22
- Chair/Organizer of 19 events (e.g., students volunteer chair of MODELS'21, publicity chair of SLE'20, workshop chair of STAF'19, Educators Symposium co-chair of MODELS'18, PhD Symposium chair of ICSOC'17, etc.)
- She started the MDE Intelligence workshop series and has been leading it in its 2019-2022 editions
- Editor of the SoSyM Theme Issue "AI-enhanced Model-Driven Engineering" (2022)
- PC member in 33 peer-reviewed events, including top-ranked venues such as MODELS'21, ICSE'21 AE, SEAA'21, MODELS'20 ACM SRC, QUATIC'20, ECMFA'20, ICMT'19 and SLE'19
- Regular reviewer in indexed journals such as TSE, JSS, EMSE, SoSyM, and Computer Standard & Interfaces

She is member of the editorial board of the Software & System Modeling journal (JCR-indexed), Jan 2021-; and regular reviewer for the Spanish State Research Agency (Agencia Estatal de Investigación, AEI), 2021-. She has also acted as external reviewer for NSERC (major agency responsible for funding engineering research in Canada).

During her career, she has received the following awards / recognitions:

- Best PhD Thesis at the ISDM track at JISBD'22
- Distinguished reviewer award (MODELS 2021)
- 2 Best paper awards (MODELS 2015 and 2018)
- Recipient of the competitive Spanish post-doctoral fellowship JdC-I
- Accessit to the National Best PhD Thesis, awarded by the Spanish Society of Software Engineering (SISTEDES).
- Bronze medal at the ACM Student Research Competition at MODELS 2015
- Awarded with two competitive pre-doctoral grants (FPI and FPU) to undertake her PhD.
- Best Graduate Student Award (Premio Extraordinario Fin de Carrera), 2010.

She has taught courses in official bachelor's and master's degrees at the University of Málaga, Marbella International University Centre (an English-speaking private university) and the Open University of Catalonia, as well as courses based on agreements with private companies such as Accenture.



General quality indicators of scientific research

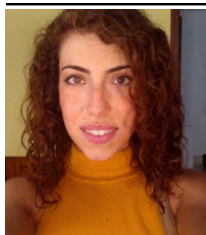
This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Citations according to Scopus: 568

h-index according to Scopus: 15

Citations according to Google Scholar: 908

h-index according to Google Scholar: 19



Lola Burgueño

Surname(s): **Burgueño**
Name: **Lola**
ORCID: **0000-0002-7779-8810**
ScopusID: **55323008900**
ResearcherID: **L-3817-2014**
Gender: **Female**
Country of birth: **Spain**
Email: **lolaburgueno@uma.es**
Personal web page: **<http://lolaburgueno.github.io/>**

Current professional situation

Employing entity: Universidad de Málaga
Professional category: Profesor Contratado Doctor
City employing entity: Málaga, Spain
Start date: 16/11/2022
Type of contract: Permanent employment contract **Dedication regime:** Full time
Primary (UNESCO code): 120311 - Computer software

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Málaga	Profesor Ayudante Doctor	01/09/2022
2	Universitat Oberta de Catalunya	Senior Researcher and Lecturer	01/06/2020
3	Universitat Oberta de Catalunya & CEA LIST	Senior researcher	01/10/2018
4	Universidad de Málaga	Postdoctoral Researcher	29/04/2016
5	Marbella International University Centre	Lecturer	04/09/2017
6	Ministerio de Ciencia e Innovación. Investigación	PhD Candidate	02/01/2013
7	Universidad de Málaga	Research Engineer	16/11/2011

1 **Employing entity:** Universidad de Málaga
Professional category: Profesor Ayudante Doctor
Start-End date: 01/09/2022 - 15/11/2022

2 **Employing entity:** Universitat Oberta de Catalunya **Type of entity:** University
Professional category: Senior Researcher and Lecturer
Start-End date: 01/06/2020 - 31/08/2022



- 3** **Employing entity:** Universitat Oberta de Catalunya & CEA LIST
Professional category: Senior researcher
Start-End date: 01/10/2018 - 30/06/2020
- 4** **Employing entity:** Universidad de Málaga **Type of entity:** University
Professional category: Postdoctoral Researcher
Start-End date: 29/04/2016 - 30/09/2018
- 5** **Employing entity:** Marbella International University Centre
Professional category: Lecturer
Start-End date: 04/09/2017 - 27/11/2017
- 6** **Employing entity:** Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Ministerio
Professional category: PhD Candidate
Start-End date: 02/01/2013 - 28/04/2016
- 7** **Employing entity:** Universidad de Málaga
Professional category: Research Engineer
Start-End date: 16/11/2011 - 31/12/2012



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1** **University degree:** Higher degree
Name of qualification: Master's degree in Software Engineering and Artificial Intelligence
Degree awarding entity: Universidad de Málaga **Type of entity:** University
Date of qualification: 24/09/2012
- 2** **University degree:** Higher degree
Name of qualification: Bachelor's degree in Computer Science and Engineering
Degree awarding entity: Universidad de Málaga **Type of entity:** University
Date of qualification: 23/09/2011
- 3** **University degree:** Higher degree
Name of qualification: Bachelor's degree in Technical Engineering in Computer Science (Ingeniería Técnica en Informática de Gestión)
Degree awarding entity: Universidad de Málaga **Type of entity:** University
Date of qualification: 08/07/2010
Prize: Special award for degree

Doctorates

Doctorate programme: Software Engineering and Artificial Intelligence
Degree awarding entity: Universidad de Málaga **Type of entity:** University
Date of degree: 28/04/2016

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1

Teaching experience



General teaching experience

- 1 Name of the course:** Fundamentos de la Informática
University degree: Grado en Ingeniería en Tecnologías Industriales
Start date: 2022 **End date:** 2023
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Industrial
- 2 Name of the course:** Laboratorio de Desarrollo de Aplicaciones Empresariales
University degree: Máster Universitario en Ingeniería de Telecomunicación
Start date: 2022 **End date:** 2023
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería de Telecomunicación
- 3 Name of the course:** Programación Orientada a Objetos
University degree: Grado en Ingeniería Informática
Start date: 2022 **End date:** 2023
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 4 Name of the course:** Programación Orientada a Objetos
University degree: Grado en Ingeniería de Computadores
Start date: 2022 **End date:** 2023
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 5 Name of the course:** Programación Orientada a Objetos
University degree: Grado en Ingeniería de la Salud
Start date: 2022 **End date:** 2023
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 6 Name of the course:** Ingeniería de Requisitos
University degree: Graduado o Graduada en Ingeniería Informática
Start date: 2020 **End date:** 2022
Entity: Universitat Oberta de Catalunya **Type of entity:** University
- 7 Name of the course:** Análisis y Diseño con Patrones
University degree: Graduado o Graduada en Ingeniería Informática
Start date: 2019 **End date:** 2022
Entity: Universitat Oberta de Catalunya **Type of entity:** University
- 8 Name of the course:** Desarrollo de aplicaciones para dispositivos Android
University degree: Master universitario Desarrollo de Aplicaciones para Dispositivos Móviles
Start date: 2020 **End date:** 2021
Entity: Universitat Oberta de Catalunya **Type of entity:** University



- 9** **Name of the course:** Information Systems and Business Analytics
University degree: International Business
Start date: 2018 **End date:** 2017
Entity: Marbella International University Centre **Type of entity:** University
- 10** **Name of the course:** Business Intelligence and Decision Making
University degree: International Business
Start date: 2017 **End date:** 2017
Entity: Marbella International University Centre **Type of entity:** University
- 11** **Name of the course:** Métodos formales para la ingeniería del software
University degree: Grado en Ingeniería del Software
Start date: 2017 **End date:** 2017
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 12** **Name of the course:** Ingeniería Web: Modelado
University degree: Máster Propio en Ingeniería Web RIATec
Start date: 2015 **End date:** 2017
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 13** **Name of the course:** Information and Communication Technology Applied to Occupational Therapy
University degree: Grado en Terapia Ocupacional
Start date: 2015 **End date:** 2016
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 14** **Name of the course:** Informática
University degree: Grado en Biología
Start date: 2015 **End date:** 2016
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 15** **Name of the course:** Ingeniería de Requisitos
University degree: Grado en Ingeniería del Software
Start date: 2015 **End date:** 2016
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 16** **Name of the course:** Introducción a la Ingeniería del Software
University degree: Grado en Ingeniería del Software
Start date: 2014 **End date:** 2015
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática
- 17** **Name of the course:** Programación Orientada a Objetos
University degree: Grado en Ingeniería Informática
Start date: 2014 **End date:** 2015
Entity: Universidad de Málaga **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingeniería Informática



Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Incorporación de incertidumbre de la medida en modelos UML para la industria 4.0
Entity: Universidad de Málaga **Type of entity:** University
Student: Juan Jose Guerrero Ruiz
Date of reading: 14/10/2019
- 2** **Project title:** Simulación de Diagramas de Secuencia con la herramienta de modelado USE
Entity: Universidad de Málaga **Type of entity:** University
Student: Paula Muñoz Ariza
Date of reading: 18/07/2019
- 3** **Project title:** Extensión de USE para soportar incertidumbre de medida en los datos primitivos OCL/UML
Entity: Universidad de Málaga **Type of entity:** University
Student: Víctor Manuel Ortiz Guardañó
Date of reading: 16/07/2019
- 4** **Project title:** Aplicación Android para la derivación de pacientes en urgencias y estimación del tiempo de espera
Type of project: End of course project
Entity: Universidad de Málaga **Type of entity:** University
Student: Trinidad Castillo Castillo
Date of reading: 11/07/2018
- 5** **Project title:** Sistema de información para la gestión de socios SISTEDES
Type of project: End of course project
Entity: Universidad de Málaga **Type of entity:** University
Student: Sergio Torres Tellez
Date of reading: 11/07/2018
- 6** **Project title:** Árbol Genealógico de la Informática
Type of project: End of course project
Entity: Universidad de Málaga **Type of entity:** University
Student: Francisco Javier Pérez Jorge
Date of reading: 11/07/2018
- 7** **Project title:** Análisis Estático de Programas de Procesamiento de Eventos Complejos
Entity: Universidad de Málaga **Type of entity:** University
Student: Adrian García López
Date of reading: 11/07/2018
- 8** **Project title:** Análisis ambiental para actividades deportivas en la ciudad de Málaga, usando procesamiento de eventos complejos
Type of project: End of course project
Entity: Universidad de Málaga **Type of entity:** University
Student: Alejandro Ruiz Lara
Obtained qualification: Matricula de Honor
Date of reading: 21/02/2018



9 **Project title:** Implementación de la arquitectura Kappa para el cálculo de métricas en tiempo real sobre streams de datos

Type of project: End of course project

Entity: Universidad de Málaga

Type of entity: University

Student: Álvaro Martín Lozano

Date of reading: 22/12/2017

10 **Project title:** Ongoing

Entity: Universidad de Extremadura

Type of entity: University

Student: Jorge Perianez Pascual

Teaching experience in courses and seminars for university teacher training

1 **Type of event:** Curso

Name of the event: Curso de desarrollo de aplicaciones web usando Java y DevOps

Organising entity: Universidad de Málaga y Accenture

Hours of teaching: 24

Teaching date: 2017

2 **Type of event:** Curso

Name of the event: Nuevas tendencias en el diseño y desarrollo de aplicaciones usando tecnologías Java

Organising entity: Universidad de Málaga y Coritel

Hours of teaching: 24

Teaching date: 2016

Educational or pedagogical publications, books, articles, etc.

1 Loli Burgueño; Antonio Vallecillo; Martin Gogolla. Teaching UML and OCL models and their validation to software engineering students: an experience report, Teaching UML and OCL models and their validation to software engineering students: an experience report. 28 - 1, pp. 23 - 41. Journal Computer Science Education. Taylor & Francis. 30/03/2018. Available on-line at: <<https://www.tandfonline.com/doi/full/10.1080/08993408.2018.1462000>>.

Name of the materials: Teaching UML and OCL models and their validation to software engineering students: an experience report

Date of drafting: 30/03/2018

Format: Article(s)

Corresponding author: Yes

2 Loli Burgueño; Antonio Vallecillo; Martin Gogolla. Teaching Model View with UML and OCL, Teaching Model View with UML and OCL. pp. 529 - 534. CEUR WS. 17/12/2017.

Name of the materials: Teaching Model View with UML and OCL

Date of drafting: 11/2017

Format: Article(s)

Corresponding author: Yes

3 Burgueño 1; Cánovas Izquierdo; Planas 3. An empirical study on the impact of introducing a modeling tool in a Requirement Engineering course, An empirical study on the impact of introducing a modeling tool in a Requirement Engineering course. ACM.

Name of the materials: An empirical study on the impact of introducing a modeling tool in a Requirement Engineering course



Format: Article(s)

Corresponding author: Yes

- 4** Burgueño 1; Cánovas Izquierdo 2; Planas 3; Cabot. Introducción de una herramienta OCL en la asignatura de Ingeniería de Requisitos, Introducción de una herramienta OCL en la asignatura de Ingeniería de Requisitos.

Name of the materials: Introducción de una herramienta OCL en la asignatura de Ingeniería de Requisitos

Corresponding author: Yes

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** IPSCA: Including people in smart city applications
Entity where project took place: Universidad de Málaga **Type of entity:** University
Name principal investigator (PI, Co-PI....): Antonio Vallecillo Moreno; Carlos Canal
Funding entity or bodies:
 MICINN (PID2021-125527NB-I00)
Type of participation: Team member
Start-End date: 01/09/2022 - 31/08/2026
- 2** **Name of the project:** Development of Software Assistants with AI Capabilities
Entity where project took place: Universitat Oberta de Catalunya **Type of entity:** University
Name principal investigator (PI, Co-PI....): Burgueño
N° of researchers: 2
Funding entity or bodies:
 Universitat Oberta de Catalunya **Type of entity:** University
Start-End date: 01/09/2021 - 30/06/2022
Total amount: 4.500 €
- 3** **Name of the project:** Open data para todos: Una infraestructura basada en APIs para la explotación de fuentes de datos online
Entity where project took place: Universitat Oberta de Catalunya **Type of entity:** University
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Jordi Cabot Sagrera
N° of researchers: 7
Funding entity or bodies:
 MINISTERIO DE ECONOMÍA, INDUSTRIA Y COMPETITIVIDAD (TIN2016-75944-R)
Type of participation: Team member
Start-End date: 01/04/2017 - 30/06/2021 **Duration:** 4 years
Total amount: 117.906 €



- 4** **Name of the project:** Red Temática en Ingeniería del Software Dirigida por Modelos
Name principal investigator (PI, Co-PI....): Robert Clarisó Viladrosa
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA
City funding entity: Spain
Start-End date: 01/07/2017 - 30/06/2019
Participating entity/entities: FUNDACIO PER A LA UNIVERSITAT OBERTA DE CATALUNYA; Ikerlan; OPEN CANARIAS, S.L.; Universidad Autónoma de Madrid; Universidad Politécnica de Valencia; Universidad Rey Juan Carlos; Universidad de Castilla-La Mancha; Universidad de Extremadura; Universidad de Murcia; Universidad de Málaga; Universitat Politècnica de Catalunya; etc.
Total amount: 15.000 €
- 5** **Name of the project:** COST Action IC1404: Multi-Paradigm Modelling for Cyber-Physical Systems (MPM4CPS)
Entity where project took place: Participants in: <https://www.cost.eu/actions/IC1404/#tabs|Name:parties>
Funding entity or bodies:
EU COST Action number IC1404 **Type of entity:** COST
Start-End date: 25/11/2014 - 24/11/2018
Participating entity/entities: Hasso Plattner Institute for Software Systems Engineering; INESC-ID Lisboa; Universidad de Málaga; Universidade Nova de Lisboa; Universiteit Antwerpen; University of Novi Sad; University of Twente; fortiss GmbH; <https://www.cost.eu/actions/IC1404/#tabs|Name:management-committee>
Total amount: 76.000.000 €
- 6** **Name of the project:** POLYCIMS: Un marco dirigido por modelos para el diseño e integración de Sistemas de Gestión de Infraestructuras Críticas
Entity where project took place: Universidad de Málaga **Type of entity:** University
Name principal investigator (PI, Co-PI....): Antonio Vallecillo Moreno; Manuel Díaz Rodríguez
Nº of researchers: 12
Funding entity or bodies:
MICINN (TIN2014-52034-R)
Type of participation: Team member
Start-End date: 26/05/2015 - 26/05/2018
Total amount: 179.300 €
- 7** **Name of the project:** WIMACS: Sistemas Inalámbricos de Gestión de Información Crítica
Entity where project took place: Universidad de Málaga **Type of entity:** University
City of entity: Málaga, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Manuel Díaz Rodríguez
Nº of researchers: 18
Funding entity or bodies:
MICINN (TIN2011-23795)
Start-End date: 01/01/2012 - 31/12/2014
Total amount: 129.228 €
Applicant's contribution: Becaria FPI



- 8 Name of the project:** Red Científico-Tecnológica en Ciencias de los Servicios
City of entity: Spain
Name principal investigator (PI, Co-PI....): Rubén Fuentes Fernández
Funding entity or bodies:
CENTRO DE ACUSTICA APLICADA Y EVALUACION NO DESTRUCTIVA **Type of entity:** Associations and Groups
Ministerio de Economía y Competitividad (TIN2011-15497-E) **Type of entity:** State agency
Start-End date: 01/09/2012 - 24/06/2014
Participating entity/entities: U. Rey Juan Carlos, U. de Castilla-La Mancha, U. de Extremadura, U. de la Laguna, U. de Cádiz, U. de Málaga, U. de Santiago de Compostela, U. de Sevilla, U. de Zaragoza, U. del País Vasco, U. Politéc
Total amount: 18.000 €
- 9 Name of the project:** MDD-MERTS : Diseño y Monitorización Dirigido por Modelos de Sistemas Empotrados y de Tiempo Real
Entity where project took place: Universidad de Málaga **Type of entity:** University
City of entity: Málaga, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Antonio Vallecillo Moreno
Nº of researchers: 19
Funding entity or bodies:
CENTRO DE ACUSTICA APLICADA Y EVALUACION NO DESTRUCTIVA **Type of entity:** Associations and Groups
MICINN (TIN2008-03107) **Type of entity:** State agency
Start-End date: 01/01/2009 - 30/06/2012
Total amount: 268.620 €
- 10 Name of the project:** Low-code development of smart software (PID2020-114615RB-I00)
Entity where project took place: Universitat Oberta de Catalunya **Type of entity:** University
Name principal investigator (PI, Co-PI....): Clarisó; Cabot
Funding entity or bodies:
Ministerio de Ciencia e Innovación **Type of entity:** PID2020-114615RB-I00
Start date: 01/09/2021 **Duration:** 3 years
Total amount: 56.870 €
Applicant's contribution: Equipo de investigación

R&D non-competitive contracts, agreements or projects with public or private entities

Name of the project: Model-IA. The beginnings of cognified MDE Platform
Degree of contribution: Researcher
Nº of researchers: 3
Participating entity/entities: CEA LIST; Universitat Oberta de Catalunya
Funding entity or bodies:
CEA LIST (Ref. S32228)
Start date: 01/10/2018 **Duration:** 21 months
Total amount: 100.000 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Javier Troya; Sergio Segura; Lola Burgueño; Manuel Wimmer. Model Transformation Testing and Debugging: A Survey. ACM Computing Surveys. 55(4) - 4, pp. 72:1 - 72:39. 2023.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 2** Loli Burgueño; Paula Muñoz; Robert Clarisó; Jordi Cabot; Sebastien Gerard; Antonio Vallecillo. Dealing with belief uncertainty in domain models. ACM Transactions on Software Engineering and Methodology. 2022.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 3** Robert Clarisó; Lola Burgueño; Jordi Cabot. Managing Design-time Uncertainty in OCL Expressions. Journal of Object Technology. 21 - 4, pp. 4:1 - 4:10. 2022.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 4** Loli Burgueño; Jordi Cabot; Shuai Li; Sébastien Gérard. A Generic LSTM Neural Network Architecture to Infer Heterogeneous Model Transformations. Software & Systems Modeling (SoSyM). Springer, 2021.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 5** Jesús Sánchez-Cuadrado; Loli Burgueño; Manuel Wimmer; Antonio Vallecillo. Efficient execution of ATL model transformations using static analysis and parallelism. IEEE Transactions on Software Engineering. 2021.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 6** Paula Muñoz; Loli Burgueño; Víctor Ortiz; Antonio Vallecillo. Extending OCL with Subjective Logic. Journal of Object Technology. 3, pp. 1 - 15. AITO (Association Internationale pour les Technologies Objets), 10/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 7** Gunter Mussbacher; Benoit Combemale; Jörg Kienzle; Silvia Abrahão; Hyacinth Ali; Nelly Bencomo; Márton Búr; Loli Burgueño; Gregor Engels; Pierre Jeanjean; Jean-Marc Jézéquel; Thomas Kühn; Sébastien Mosser; Houari Sahraoui; Eugene Syriani; Dániel Varró; Martin Weyssow. Opportunities for Intelligent Modeling Assistance. Software & System Modeling. 19 - 5, pp. 1045 - 1053. Springer, 06/2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 8** Loli Burgueño; Jordi Cabot; Sébastien Gerard. The Future of Model Transformation Languages: An Open Community Discussion. Journal of Object Technology. AITO (Association Internationale pour les Technologies Objets), 10/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes



- 9** Loli Burgueño; Federico Ciccozzi; Michalis Famelis; Gerti Kappel; Leen Lambers; Sebastien Mosser; Richard F. Paige; Alfonso Pierantonio; Arend Resink; Rick Salay; Gabriele Taentzer; Antonio Vallecillo; Manuel Wimmer. Contents for a Model-Based Software Engineering Body of Knowledge. *Software & System Modeling*. Springer, 18/07/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 10** Manuel F. Bertoa; Loli Burgueño; Nathalie Moreno; Antonio Vallecillo. Incorporating measurement uncertainty into OCL/UML primitive datatypes. *Software & System Modeling*. Springer, 04/07/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 11** Nathalie Moreno; Manuel F. Bertoa; Loli Burgueño; Antonio Vallecillo. Managing Measurement and Occurrence Uncertainty in Complex Event Processing Systems. *IEEE Access*. 7, pp. 88026 - 88048. 19/06/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 12** Loli Burgueño; Tanja Mayerhofer; Manuel Wimmer; Antonio Vallecillo. Specifying quantities in software models. *Information and Software Technology*. 113, pp. 82 - 97. *Information and Software Technology*, 13/06/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 13** David Ameller; Xavier Franch; Cristina Gomez; Silverio Martínez-Fernandez; Joao Araujo; Stefan Biff; Jordi Cabot; Vittorio Cortellessa; Daniel Méndez Fernández; Ana Moreira; Henry Muccini; Loli Burgueño; Manuel Wimmer; Vasco Amaral; Wolfgang Bohm; Hugo Bruneliere; Antonio Vallecillo; Miguel Goulao; Sabine Teufl; Luca Berardinelli. Dealing with Non-Functional Requirements in Model-Driven Development: A Survey. *IEEE Transactions on Software Engineering*. 12/03/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 14** Frank Hilken; Martin Gogolla; Loli Burgueño; Antonio Vallecillo. Testing Models and Model Transformations using Classifying Terms. *Software & System Modeling*. 17 - 3, pp. 885 - 912. 19/06/2018.
Type of production: Scientific paper **Format:** Journal
- 15** Loli Burgueño; Juan Boubeta Puig; Antonio Vallecillo. Formalizing Complex Event Processing Systems in Maude. *IEEE Access*. 6, pp. 23222 - 23241. 27/04/2018.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 16** Loli Burgueño; Antonio Vallecillo; Martin Gogolla. Teaching UML and OCL Models and their Validation to Software Engineering Students: An Experience Report. *Computer Science Education*. 20/04/2018.
Type of production: Scientific paper **Format:** Book
Corresponding author: Yes
- 17** Loli Burgueño; Manuel Wimmer; Antonio Vallecillo. A Linda-based Platform for the Parallel Execution of Out-place Model Transformations. *Information and Software Technology*. 79, pp. 17 - 35. *Information and Software Technology*, 06/06/2016.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes



- 18** Loli Burgueño; Javier Troya; Manuel Wimmer; Antonio Vallecillo. Static Fault Localization in Model Transformations. IEEE Transactions on Software Engineering. 28/10/2014.
Type of production: Scientific paper **Format:** Journal
- 19** Antonio Vallecillo; Martin Gogolla; Loli Burgueño; Manuel Wimmer; Lars Hamman. Formal Specification and Testing of Model Transformations. Formal Methods for Model-Driven Engineering. 7320, pp. 399 - 437. 15/06/2012.
Type of production: Book chapter **Format:** Book

Works submitted to national or international conferences

- 1** **Title of the work:** Towards using Few-Shot Prompt Learning for Automating Model Completion
Name of the conference: International Conference on Software Engineering (ICSE) - NIER track
Corresponding author: No
City of event: Melbourne, Australia
Date of event: 14/05/2023
End date: 20/05/2023
Organising entity: Monash University & University of Melbourne
City organizing entity: Melbourne, Australia
Meriem Ben Chaaben; Lola Burgueño; Houari Sahraoui.
- 2** **Title of the work:** Combining OCL and natural language: a call for a community effort
Name of the conference: OCL Workshop @ MODELS'22
Corresponding author: No
City of event: Montréal, Canada
Date of event: 23/10/2022
End date: 28/10/2022
Organising entity: Université de Montréal
Jordi Cabot; David Delgado; Lola Burgueño.
- 3** **Title of the work:** Global Decision Making Over Deep Variability in Feedback-Driven Software Development
Name of the conference: Automated Software Engineering (ASE)
Corresponding author: No
City of event: Michigan, United States of America
Date of event: 10/10/2022
End date: 14/10/2022
Organising entity: Oakland University
Jörg Kienzle; Benoit Combemale; Gunter Mussbacher; Omar Alam; Francis Bordeleau; Lola Burgueño; Gregor Engels; Jean-Marc Jézéquel; Betina Kemme; Sébastien Mosser; Houari Sahraoui; Maximilian Schiedermeier; Eugene Syriani. "Global Decision Making Over Deep Variability in Feedback-Driven Software Development".
- 4** **Title of the work:** An empirical study on the impact of introducing a modeling tool in a Requirement Engineering course
Name of the conference: Educators Symposium @ MODELS
Corresponding author: Yes
City of event: Fukuoka, Japan
Date of event: 12/10/2021
Organising entity: Kyushu University
Burgueño; Cánovas Izquierdo 2; Planas 3.



- 5** **Title of the work:** Introducción de una herramienta OCL en la asignatura de Ingeniería de Requisitos
Name of the conference: XXVII Jornadas sobre la Enseñanza Universitaria de la Informática (JENUI 2021)
Corresponding author: Yes
City of event: Valencia, Spain
Date of event: 07/07/2021
End date: 08/07/2021
Organising entity: Universitat de València **Type of entity:** University
Type of contribution: Scientific paper
- 6** **Title of the work:** An NLP-based architecture for the autocompletion of partial domain models
Name of the conference: 33rd International Conference on Advanced Information Systems Engineering (CAiSE'21)
Corresponding author: Yes
City of event: Melbourne, Australia
Date of event: 28/06/2021
End date: 02/07/2021
Organising entity: University of Melbourne
Loli Burgueño; Robert Clarisó; Sébastien Gérard; Shuai Li; Jordi Cabot. pp. 91 - 106.
- 7** **Title of the work:** Refactoring Collections in OCL
Name of the conference: 20th International Workshop on OCL and Textual Modeling
Corresponding author: No
City of event: Bergen, Norway
Date of event: 25/06/2021
End date: 25/06/2021
Organising entity: Western Norway University of Applied Sciences
City organizing entity: Norway
Type of contribution: Scientific paper
Gogolla; Burgueño; Vallecillo.
- 8** **Title of the work:** Testing challenges for NLP-intensive bots
Name of the conference: 3rd International Workshop on Bots in Software Engineering (BotSE'21) @ ICSE'21
Corresponding author: No
City of event: Madrid, Spain
Date of event: 29/05/2021
End date: 04/06/2021
Organising entity: Universidad Politécnica de Madrid **Type of entity:** University
Jordi Cabot; Loli Burgueño; Robert Clarisó; Gwendal Daniel; Jorge Perianez-Pascual; Roberto Rodríguez-Echeverría. pp. 126 - 132.
- 9** **Title of the work:** Towards the Optical Character Recognition of DSLs
Name of the conference: 13th ACM SIGPLAN International Conference on Software Language Engineering
Corresponding author: No
City of event: Chicago (Virtual), United States of America
Date of event: 15/11/2020
End date: 20/11/2020
Organising entity: University of Chicago
Jorge Perianez-Pascual; Roberto Rodríguez-Echeverría; Loli Burgueño; Jordi Cabot.



- 10** **Title of the work:** Towards an assessment grid for intelligent modeling assistance
Name of the conference: 2nd Workshop on Artificial Intelligence and Model-driven Engineering (MDE Intelligence)
Corresponding author: No
City of event: Montreal (Virtual), Canada
Date of event: 16/10/2020
Organising entity: University of Montreal
Gunter Mussbacher; Benoit Combemale; Silvia Abrahão; Nelly Bencomo; Loli Burgueño; Gregor Engels; Jörg Kienzle; Thomas Kühne; Sébastien Mosser; Houari Sahraoui; Martin Weysow. 48, pp. 1 - 10.
- 11** **Title of the work:** A Systematic Approach to Generate Diverse Instantiations for Conceptual Schemas
Name of the conference: 38th International Conference on Conceptual Modeling
Corresponding author: Yes
City of event: Salvador, Brazil
Date of event: 04/11/2019
End date: 08/11/2019
Organising entity: Federal University of Bahia
Loli Burgueño; Jordi Cabot; Robert Clarisó; Martin Gogolla. pp. 513 - 521.
- 12** **Title of the work:** Automatic Generation of Valid Behavioral Scripts from UML Sequence Diagrams
Name of the conference: 19th International Workshop in OCL and Textual Modeling (OCL'19@MODELS)
Corresponding author: Yes
City of event: Munich, Germany
Date of event: 16/09/2019
End date: 16/09/2019
Organising entity: Fortiss **Type of entity:** R&D Centre
Paula Muñoz; Loli Burgueño; Antonio Vallecillo; Martin Gogolla.
- 13** **Title of the work:** Native Support for UML and OCL Primitive Datatypes Enriched with Uncertainty in USE
Name of the conference: 19th International Workshop in OCL and Textual Modeling (OCL'19@MODELS)
Corresponding author: Yes
City of event: Munich, Germany
Date of event: 16/09/2019
End date: 16/09/2019
Organising entity: Fortiss **Type of entity:** R&D Centre
V́ctor Ortiz; Loli Burgueño; Antonio Vallecillo; Martin Gogolla.
- 14** **Title of the work:** An LSTM-Based Neural Network Architecture for Model Transformations
Name of the conference: 22th International Conference on Model Driven Engineering Languages and Systems (MODELS)
Corresponding author: Yes
City of event: Munich, Germany
Date of event: 15/09/2019
End date: 20/09/2019
Organising entity: Fortiss **Type of entity:** R&D Centre
Loli Burgueño; Jordi Cabot; Sébastien Gérard.
- 15** **Title of the work:** Towards Sketching Interfaces for Multi-Paradigm Modeling
Name of the conference: 1st International Workshop on Multi-Paradigm Modeling for Cyber-Physical Systems (MPM4CPS@MODELS'19)



Corresponding author: No
City of event: Munich, Germany
Date of event: 15/09/2019
End date: 15/09/2019
Organising entity: Fortiss
Type of entity: R&D Centre
Simon Van Mierlo; Julien DeAntoni; Loli Burgueño; Clark Verbrugge; Hans Vangheluwe.

- 16** **Title of the work:** Transformaciones de Datos con Machine Learning
Name of the conference: Jornadas de Ingeniería del Software y Bases de Datos (JISBD)
Corresponding author: Yes
City of event: Cáceres, Extremadura, Spain
Date of event: 02/09/2019
End date: 05/09/2019
Organising entity: Universidad de Extremadura
Type of entity: University
Loli Burgueño; Jordi Cabot; Sébastien Gérard.
- 17** **Title of the work:** Belief Uncertainty in Software Models
Name of the conference: 11th Workshop on Modelling in Software Engineering (MiSE'2019)
Corresponding author: Yes
City of event: Montreal, Canada
Date of event: 26/05/2019
End date: 27/05/2019
Organising entity: University of Waterloo
Loli Burgueño; Robert Clarisó; Jordi Cabot; Sébastien Gerard; Antonio Vallecillo. "Belief Uncertainty in Software Models".
- 18** **Title of the work:** Static Analysis of Complex Event Processing Programs
Name of the conference: 18th International Workshop in OCL and Textual Modeling
Corresponding author: Yes
City of event: Copenague, Denmark
Date of event: 15/10/2018
Organising entity: IT University of Copenhagen
Type of entity: University
City organizing entity: Copenague, Denmark
Adrián García-López; Loli Burgueño; Antonio Vallecillo. "Static Analysis of Complex Event Processing Programs".
- 19** **Title of the work:** Expressing Confidence in Models and Model Transformation Elements
Name of the conference: International Conference on Model Driven Engineering Languages and Systems
Corresponding author: Yes
City of event: Copenague, Denmark
Date of event: 14/10/2018
End date: 19/10/2018
Organising entity: ITU Copenhaguen
Type of entity: University
Loli Burgueño; Manuel F. Bertoa; Nathalie Moreno; Antonio Vallecillo. "Expressing Confidence in Models and Model Transformation Elements".
- 20** **Title of the work:** Extending Complex Event Processing to Graph-structured Information
Name of the conference: International Conference on Model Driven Engineering Languages and Systems
Corresponding author: No
City of event: Copenague, Denmark
Date of event: 14/10/2018



End date: 19/10/2018

Organising entity: ITU Copenhagen

Type of entity: University

Gala Barquero; Loli Burgueño; Javier Troya; Antonio Vallecillo. "Extending Complex Event Processing to Graph-structured Information".

- 21** **Title of the work:** Model Finding and Model Completion with USE
Name of the conference: 18th International Workshop in OCL and Textual Modeling
Corresponding author: No
City of event: Copenague, Denmark
Date of event: 14/10/2018
Organising entity: IT University of Copenhagen **Type of entity:** University
City organizing entity: Copenague, Denmark
Martin Gogolla; Loli Burgueño; Antonio Vallecillo. "Model Finding and Model Completion with USE".
- 22** **Title of the work:** Confianza e Incertidumbre en Modelos y Transformaciones de Modelos
Name of the conference: Jornadas de Ingeniería del Software y Bases de Datos (JISBD)
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 17/09/2018
End date: 19/09/2018
Organising entity: Universidad de Sevilla **Type of entity:** University
City organizing entity: Sevilla, Andalusia, Spain
Antonio Vallecillo; Manuel F. Bertoa; Loli Burgueño; Gala Barquero; Nathalie Moreno. "Confianza e Incertidumbre en Modelos y Transformaciones de Modelos".
- 23** **Title of the work:** Using Physical Quantities in Robot Software Models
Name of the conference: 1st International Workshop on Robotics Software Engineering
Corresponding author: Yes
City of event: Gotemburgo, Sweden
Date of event: 28/08/2018
Organising entity: Chalmers University of Technology & University of Gothenburg **Type of entity:** University
City organizing entity: Gotemburgo, Sweden
Loli Burgueño; Tanja Mayerhofer; Manuel Wimmer; Antonio Vallecillo. "Using Physical Quantities in Robot Software Models".
- 24** **Title of the work:** Expressing Uncertainty in OCL/UML Datatypes
Name of the conference: 14th European Conference on Modelling Foundations and Applications
Corresponding author: No
City of event: Toulouse, France
Date of event: 25/06/2018
End date: 29/06/2018
Organising entity: Toulouse Institute of Computer Science Research
Nathalie Moreno; Manuel F. Bertoa; Gala Barquero; Loli Burgueño; Javier Troya. "Expressing Uncertainty in OCL/UML Datatypes".
- 25** **Title of the work:** Managing Uncertain Complex Events in Web of Things Applications
Name of the conference: 18th International Conference on Web Engineering
Corresponding author: No
City of event: Cáceres, Extremadura, Spain
Date of event: 05/06/2018



End date: 08/06/2018

Organising entity: Universidad de Extremadura **Type of entity:** University

Manuel F. Bertoa; Nathalie Moreno; Gala Barquero; Loli Burgueño; Javier Troya; Adrián García López.
"Managing Uncertain Complex Events in Web of Things Applications".

26 Title of the work: Formally Modeling, Executing, and Testing Service-Oriented Systems with UML and OCL

Name of the conference: 15th International Conference on Service-Oriented Computing 2017 (ICSOC 2017)

Corresponding author: Yes

City of event: Málaga, Andalusia, Spain

Date of event: 13/11/2017

End date: 16/11/2017

Organising entity: Universidad de Málaga **Type of entity:** University

Loli Burgueño; Martin Gogolla. "Formally Modeling, Executing, and Testing Service-Oriented Systems with UML and OCL".

27 Title of the work: Teaching Model View with UML and OCL

Name of the conference: Educators Symposium @ MODELS 2017

Corresponding author: Yes

City of event: Austin, United States of America

Date of event: 20/09/2017

Organising entity: University of Texas

Loli Burgueño; Antonio Vallecillo; Martin Gogolla. "Teaching Model View with UML and OCL".

28 Title of the work: A Linda-based Platform for the Parallel Execution of Out-place Model Transformations

Name of the conference: XXII Jornadas en Ingeniería del Software y Bases de Datos (JISBD 2017)

Corresponding author: Yes

City of event: San Cristobal de La Laguna, Canary Islands, Spain

Date of event: 18/07/2017

End date: 21/07/2017

Organising entity: Universidad de La Laguna **Type of entity:** University

Loli Burgueño; Manuel Wimmer; Antonio Vallecillo. "A Linda-based Platform for the Parallel Execution of Out-place Model Transformations".

29 Title of the work: Testing Transformation Models Using Classifying Terms

Name of the conference: International Conference on Model Transformation (ICMT)

Corresponding author: Yes

City of event: Marburg, Germany

Date of event: 17/07/2017

End date: 21/07/2017

Organising entity: Philipps University Marburg

City organizing entity: Marburg, Germany

Loli Burgueño; Frank Hilken; Antonio Vallecillo; Martin Gogolla.

30 Title of the work: Employing Classifying Terms for Testing Model Transformations

Name of the conference: Software Engineering 2017, Fachtagung des Gi-Fachbereichs Softwaretechnik

Corresponding author: No

City of event: Hannover, Germany

Date of event: 21/02/2017

Organising entity: Leibniz Universität Hannover



Martin Gogolla; Antonio Vallecillo; Loli Burgueño; Frank Hilken. "Employing Classifying Terms for Testing Model Transformations".

- 31** **Title of the work:** Generating Effective Test Suites for Model Transformations Using Classifying Terms
Name of the conference: Verification of Model Transformations
Corresponding author: Yes
City of event: Saint Malo, Bretagne, France
Date of event: 02/10/2016
End date: 02/10/2016
Organising entity: University of Rennes 1
City organizing entity: Saint Malo, Bretagne, France
Loli Burgueño; Frank Hilken; Antonio Vallecillo; Martin Gogolla. "Generating Effective Test Suites for Model Transformations Using Classifying Terms".
- 32** **Title of the work:** Towards Distributed Model Transformations with LinTra
Name of the conference: XXI Jornadas en Ingeniería del Software y Bases de Datos (JISBD 2016)
Corresponding author: Yes
City of event: Salamanca, Castile and León, Spain
Date of event: 14/09/2016
End date: 16/09/2016
Organising entity: Universidad de Salamanca **Type of entity:** University
City organizing entity: Salamanca, Castile and León, Spain
Loli Burgueño; Manuel Wimmer; Antonio Vallecillo. "Towards Distributed Model Transformations with LinTra".
- 33** **Title of the work:** Employing Classifying Terms for Testing Model Transformations
Name of the conference: International Conference on Model Driven Engineering Languages and Systems
City of event: Ottawa, Canada
Date of event: 30/09/2015
End date: 02/10/2015
Organising entity: University of Ottawa
Martin Gogolla; Antonio Vallecillo; Loli Burgueño; Frank Hilken. "Employing Classifying Terms for Testing Model Transformations".
- 34** **Title of the work:** Iterative Development of Transformation Models by Using Classifying Terms
Name of the conference: Analysis of Model Transformations
Corresponding author: No
City of event: Ottawa, Canada
Date of event: 28/09/2015
End date: 28/09/2015
Organising entity: University of Ottawa **Type of entity:** University
City organizing entity: Ottawa, Canada
Frank Hilken; Loli Burgueño; Martin Gogolla; Antonio Vallecillo. "Iterative Development of Transformation Models by Using Classifying Terms".
- 35** **Title of the work:** Testing M2M/M2T/T2M Transformations
Name of the conference: ACM Student Research Competition at MODELS 2015
Corresponding author: Yes
City of event: Ottawa, Canada
Date of event: 27/09/2015
End date: 02/10/2015



Organising entity: University of Ottawa
Loli Burgueño. "Testing M2M/M2T/T2M Transformations".

- 36** **Title of the work:** Analysis of the Scientific Production of the Spanish Software Engineering Community
Name of the conference: XX Jornadas en Ingeniería del Software y Bases de Datos
Corresponding author: Yes
City of event: Santander, Cantabria, Spain
Date of event: 15/09/2015
End date: 17/09/2015
Organising entity: Universidad de Cantabria **Type of entity:** University
City organizing entity: Santander, Cantabria, Spain
Loli Burgueño; Antonio Moreno-Delgado; Antonio Vallecillo. "Analysis of the Scientific Production of the Spanish Software Engineering Community".
- 37** **Title of the work:** Handling Non-functional Requirements in Model-Driven Development: An Ongoing Industrial Survey
Name of the conference: 23rd IEEE International Requirements Engineering Conference
Corresponding author: No
City of event: Ottawa, Canada
Date of event: 24/08/2015
End date: 28/08/2015
Organising entity: University of Ottawa **Type of entity:** University
City organizing entity: Ottawa, Canada
David Ameller; Xavier Frank; Cristina Gómez; Antonio Vallecillo; Loli Burgueño; et al. "Handling Non-functional Requirements in Model-Driven Development: An Ongoing Industrial Survey".
- 38** **Title of the work:** Parallel In-place Model Transformations with LinTra
Name of the conference: International Workshop on Big MDE (collocated with STAF)
Corresponding author: Yes
City of event: L'Aquila, Italy
Date of event: 23/07/2015
End date: 23/07/2015
Organising entity: University of L'Aquila **Type of entity:** University
City organizing entity: L'Aquila, Italy
Loli Burgueño; Javier Troya; Manuel Wimmer; Antonio Vallecillo. "Parallel In-place Model Transformations with LinTra".
- 39** **Title of the work:** Towards Systematic Mutations for and with ATL Model Transformations
Name of the conference: 10th International Workshop on Mutation Analysis
City of event: Graz, Austria
Date of event: 13/04/2015
Organising entity: TU Graz
Javier Troya; Alexander Bergmayr; Loli Burgueño; Manuel Wimmer.
- 40** **Title of the work:** Towards Approximate Model Transformations
Name of the conference: 3rd International Workshop on the Analysis of Model Transformations 2014 (AMT 2014). In conjunction with MODELS 2014
City of event: Valencia, Valencian Community, Spain
Date of event: 29/09/2014
End date: 29/09/2014
Organising entity: Universitat de València **Type of entity:** University



City organizing entity: Valencia, Valencian Community, Spain
Javier Troya; Manuel Wimmer; Loli Burgueno; Antonio Vallecillo. "Towards Approximate Model Transformations".

- 41 Title of the work:** Primitive Operators for the Concurrent Execution of Model Transformations Based on LinTra
Name of the conference: XIX Jornadas de Ingeniería del Software y Bases de Datos 2014 (JISBD 2014)
Corresponding author: Yes
City of event: Cádiz, Andalusia, Spain
Date of event: 16/09/2014
End date: 19/09/2014
Organising entity: Universidad de Cádiz **Type of entity:** University
City organizing entity: Cádiz, Andalusia, Spain
Loli Burgueno; Eugene Syriani; Manuel Wimmer; Jeff Gray; Antonio Vallecillo. "Primitive Operators for the Concurrent Execution of Model Transformations Based on LinTra".
- 42 Title of the work:** LinTraP: Primitive Operators for the Execution of Model Transformations with LinTra
Name of the conference: 2nd International Workshop on Big MDE (BigMDE 2014)
Corresponding author: Yes
City of event: York, United Kingdom
Date of event: 24/07/2014
End date: 24/07/2014
Organising entity: University of York **Type of entity:** University
City organizing entity: York, United Kingdom
Loli Burgueno; Eugene Syriani; Manuel Wimmer; Jeff Gray; Antonio Vallecillo. "LinTraP: Primitive Operators for the Execution of Model Transformations with LinTra".
- 43 Title of the work:** TractsTool: Testing MTs Based on Contracts
Name of the conference: Invited Talks, Demonstration Session, Poster Session, and ACM Student Research Competition (MODELS 2013)
City of event: Miami, United States of America
Date of event: 02/10/2013
End date: 02/10/2013
Organising entity: Florida International University **Type of entity:** University
City organizing entity: Miami, United States of America
Loli Burgueño. "TractsTool: Testing MTs Based on Contracts".
- 44 Title of the work:** Concurrent and Distributed Model Transformations based on Linda
Name of the conference: Doctoral Symposium held at the 16th International Conference on Model Driven Engineering Languages and Systems 2013
City of event: Miami, United States of America
Date of event: 01/10/2013
Organising entity: Florida International University **Type of entity:** University
City organizing entity: Miami, United States of America
Loli Burgueño. "Concurrent and Distributed Model Transformations based on Linda".
- 45 Title of the work:** Testing M2T/T2M Transformations
Name of the conference: 16th International Conference on Model Driven Engineering Languages and Systems 2013
City of event: Miami, United States of America
Date of event: 29/09/2013
End date: 04/10/2013



Organising entity: Florida International University **Type of entity:** University
City organizing entity: Miami, United States of America
Manuel Wimmer; Loli Burgueno. "Testing M2T/T2M Transformations".

46 **Title of the work:** Concurrent Model Transformations with Linda
Name of the conference: XVIII Jornadas de Ingeniería del Software y Bases de Datos 2013 (JISBD 2013)
City of event: Madrid, Community of Madrid, Spain
Date of event: 18/09/2013
End date: 20/09/2013
Organising entity: Universidad Complutense de Madrid **Type of entity:** University
Antonio Vallecillo; Javier Troya; Loli Burgueño. "Concurrent Model Transformations with Linda".

47 **Title of the work:** On the Concurrent Execution of Model Transformations with Linda
Name of the conference: 1st International Workshop on BigMDE (BigMDE 2013)
City of event: Budapest, Hungary
Date of event: 17/06/2013
End date: 17/06/2013
Organising entity: Budapest University of Technology and Economics **Type of entity:** University
City organizing entity: Budapest, Hungary
Loli Burgueno; Javier Troya; Manuel Wimmer; Antonio Vallecillo. "On the Concurrent Execution of Model Transformations with Linda".

48 **Title of the work:** Towards Tracking "Guilty" Transformation Rules
Name of the conference: 1st International Workshop on the Analysis of Model Transformations 2012 (AMT 2012). In conjunction with MODELS 2012
City of event: Innsbruck, Austria
Date of event: 02/10/2012
End date: 02/10/2012
Organising entity: University of Innsbruck **Type of entity:** University
City organizing entity: Innsbruck, Austria
Loli Burgueño; Manuel Wimmer; Antonio Vallecillo. "Towards Tracking "Guilty" Transformation Rules".

49 **Title of the work:** Prueba de Transformaciones de Modelos con TractsTool
Name of the conference: XVII Jornadas de Ingeniería del Software y Bases de Datos 2012 (JISBD 2012)
City of event: Almería, Andalusia, Spain
Date of event: 17/09/2012
End date: 19/09/2012
Organising entity: Universidad de Almería **Type of entity:** University
City organizing entity: Almería, Andalusia, Spain
Manuel Wimmer; Loli Burgueño; Antonio Vallecillo. "Prueba de Transformaciones de Modelos con TractsTool".



R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: Member of the experts database and regular reviewer

Affiliation entity: Agencia Estatal de Investigación (Spanish Research Agency)

Organization of R&D activities

- 1 Title of the activity:** Chair of the ACM Student Research Competition (MODELS 2022)
Convening entity: University of Montréal
City convening entity: Montréal, Canada
Start-End date: 16/10/2022 - 21/10/2022
- 2 Title of the activity:** Communication chair of the Federation of conferences on Software Technologies: Applications and Foundations (STAF'22)
Type of activity: Organization
Convening entity: IMT Atlantique
City convening entity: Nantes, France
Start-End date: 01/07/2022 - 24/09/2022
- 3 Title of the activity:** Students Volunteer Chair at MODELS'21
Type of activity: Organization
Convening entity: Kyushu University
City convening entity: Fukuoka, Japan
Start-End date: 10/10/2021 - 15/10/2021
Geographical area: Non EU International
Type of entity: University
- 4 Title of the activity:** Chair of the track ISDM at the XXV Jornadas de Ingeniería del Software y Bases de Datos (JISBD'21)
Type of activity: Organization
Convening entity: Universidad de Málaga
City convening entity: Málaga, Spain
Start-End date: 22/09/2021 - 24/09/2021
Type of entity: University
- 5 Title of the activity:** Communication and Social Media chair of the VI Congreso Español de Informática (CEDI 20/21)
Type of activity: Organization
Convening entity: Universidad de Málaga
Start-End date: 22/09/2021 - 24/09/2021
Type of entity: University
- 6 Title of the activity:** Publicity Chair of SLE'20
Convening entity: University of Chicago
City convening entity: Chicago, United States of America
Start-End date: 15/11/2020 - 20/11/2020



- 7** **Title of the activity:** Chair of the workshop MDE Intelligence @ MODELS'20
Type of activity: Organization
Convening entity: Université de Montréal
City convening entity: Montreal, Canada
Start-End date: 16/10/2020 - 16/10/2020
- 8** **Title of the activity:** Workshop Chair at STAF 2020
Convening entity: Western Norway University of Applied Sciences
City convening entity: Bergen, Norway
Start-End date: 22/06/2020 - 26/06/2020
Type of entity: University
- 9** **Title of the activity:** Chair of the workshop MDE Intelligence @ MODELS'19
Type of activity: Organization
Convening entity: Fortiss
City convening entity: Munich, Germany
Start-End date: 16/09/2019 - 16/09/2019
Type of entity: R&D Centre
- 10** **Title of the activity:** Local Organizer of ICSOC 2017
Geographical area: Non EU International
Convening entity: Universidad de Málaga
Start-End date: 13/11/2017 - 16/11/2017
Type of entity: University
- 11** **Title of the activity:** Workshop and meetings organizer for the project COST Action IC1404
Type of activity: Workshop y reuniones
Convening entity: Universidad de Málaga
City convening entity: Málaga, Andalusia, Spain
Start-End date: 24/11/2016 - 25/11/2016
Geographical area: European Union
Type of entity: University
- 12** **Title of the activity:** PC Chair of SLE'22
Convening entity: Stellenbosch University
City convening entity: Auckland, New Zealand
Start date: 11/2022
- 13** **Title of the activity:** PC Chair of ECMFA'21
Convening entity: Western Norway University of Applied Sciences (HVL)
City convening entity: Bergen, Norway
Start date: 21/06/2021
- 14** **Title of the activity:** Editor of the Special Issue on AI-enhanced MDE for the Software & System Modeling Journal
Type of activity: Editorship
Type of participation: Organiser
Start date: 18/12/2020
- 15** **Title of the activity:** Proceedings chair en el congreso MODELS 2019
Geographical area: European Union
Convening entity: Technical University of Munich
City convening entity: Munich, Germany
Start date: 15/09/2019
Type of entity: University



- 16 Title of the activity:** Junior Researcher Community chair in the conference STAF 2019
Geographical area: European Union
Convening entity: Eindhoven University of Technology
Start date: 07/2019
- 17 Title of the activity:** Educators Symposium co-chair in the conference MODELS 2018
Geographical area: Non EU International
Convening entity: IT University of Copenhagen
Start date: 16/10/2018
- 18 Title of the activity:** PhD symposium chair in the conference ICSSOC 2017
Geographical area: Non EU International
Convening entity: Universidad de Málaga **Type of entity:** University
Start date: 13/11/2017
- 19 Title of the activity:** Publication co-chair en el congreso MODELS 2017
Geographical area: Non EU International
Convening entity: University of Texas
Start date: 17/09/2017

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Université de Montréal
City of entity: Montréal, Canada
Start-End date: 01/03/2022 - 31/08/2022 **Duration:** 6 months
Goals of the stay: Post-doctoral
- 2 Entity:** Vanderbilt University **Type of entity:** University
Faculty, institute or centre: Institute for Software Integrated Systems
City of entity: Nashville, United States of America
Start-End date: 02/05/2016 - 31/07/2016
Goals of the stay: Post-doctoral
- 3 Entity:** University of Alabama **Type of entity:** University
City of entity: Tuscaloosa, United States of America
Start-End date: 15/01/2014 - 15/05/2014
Goals of the stay: Doctorate



Obtained grants and scholarships

- 1 Name of the grant:** Formación del Personal Investigador (FPI, Ref. BES-2012-057064)
Aims: Pre-doctoral
Awarding entity: Ministerio de Economía y Competitividad
Type of entity: State agency
Conferral date: 2013
Duration: 48 months
End date: 2016
Entity where activity was carried out: Universidad de Málaga
- 2 Name of the grant:** Juan de la Cierva Incorporación (Ref. IJC2018-035304-I)
Aims: Post-doctoral
Awarding entity: Ministerio de Ciencia e Innovación
Type of entity: State agency
Amount of the grant: 93.000 €
Conferral date: 2020
Duration: 3 years
Entity where activity was carried out: Universitat Oberta de Catalunya
- 3 Name of the grant:** Formación de Profesorado Universitario (FPU)
Aims: Pre-doctoral
Awarding entity: Ministerio de Educación, Cultura y Deporte
Type of entity: State agency
Conferral date: 2013

Prizes, mentions and distinctions

- 1 Description:** Award to the best PhD Thesis in the area of MDE between 2015 and may of 2022
Awarding entity: Model-Driven Engineering track at JISBD'22
City awarding entity: Spain
Conferral date: 07/09/2022
- 2 Description:** Distinguished reviewer award (MODELS'21)
Awarding entity: ACM/IEEE 24th International Conference on Model Driven Engineering Languages and Systems
City awarding entity: Fukuoka, Japan
Conferral date: 14/10/2021
- 3 Description:** Paper "Introducción de una herramienta OCL en la asignatura de Ingeniería de Requisitos" nominated to the JENUI "Best paper award" and the SISTEDES "Best paper award in the field of high-education on Software Engineering"
Awarding entity: AENUI and SISTEDES
Conferral date: 08/07/2021
- 4 Description:** Accessit to the Best National PhD thesis Award
Awarding entity: Sociedad de Ingeniería del Software y Tecnologías de Desarrollo de Software (SISTEDES)
Type of entity: Associations and Groups
City awarding entity: Spain
Conferral date: 19/09/2018



- 5** **Description:** Best paper award in MODELS 2018
Awarding entity: International Conference on Model Driven Engineering Languages and Systems
Conferral date: 2018

- 6** **Description:** Cum Laude distinction in PhD
Awarding entity: Universidad de Málaga **Type of entity:** University
City awarding entity: Málaga, Andalusia, Spain
Conferral date: 28/04/2016

- 7** **Description:** Bronze Medal in the ACM Student Research Competition at MODELS 2015
Awarding entity: Association for Computing Machinery
Conferral date: 01/10/2015

- 8** **Description:** Best paper award in MODELS 2015
Awarding entity: International Conference on Model Driven Engineering Languages and Systems
Conferral date: 2015

- 9** **Description:** Best Graduate Student Award (Premio Extraordinario Fin de Carrera)
Awarding entity: Universidad de Málaga **Type of entity:** University
City awarding entity: Málaga, Andalusia, Spain
Conferral date: 2010