

PERSONAL INFORMATION

Davide DI RUSCIO



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 Sex Male | Date of birth 28/28/1978 | Nationality Italian

ENTERPRISE	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full Professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

SHORT BIO

Davide Di Ruscio is Associate Professor at the DISIM department of the University of L'Aquila and has obtained the National Scientific Qualification as full professor in Computer Science. In 2007 he got a PhD in Computer Science at the University of L'Aquila. He has exchanged visits with several universities and research centers including the University of Nantes, the University of York, the Autonomous University of Madrid, the University of Koblenz, the University of Paris Diderot, and the National Research Council (CNR). His main research interests are related to different aspects of Software Engineering and Model-Driven Engineering (MDE), including the definition of domain-specific modeling languages, model evolution, development of software systems using low-code techniques, and development of recommendation systems using machine learning techniques in software engineering. Davide has published more than 190 articles in various journals, and proceedings of international conferences and workshops on these topics.

Davide has had various management positions and participation in editorial committees of internationally prestigious magazines and in program committees of workshops and conferences in the field of Model-Driven Engineering and Software Engineering. He is reviewer for many journals such as IEEE Transactions on Software Engineering, ACM Transactions on Software Engineering and Methodology, Empirical Software Engineering Journal, Software and Systems Modeling, and Journal of Systems and Software. He was a member of the steering committee of the International Conference on Model Transformation (ICMT) and is a member of the Software Language Engineering (SLE) conference, the Seminar Series on Advanced Techniques & Tools for Software Evolution (SATTOSE) and the Workshop on Modeling in Software Engineering co-located with the International Conference on Software Engineering (ICSE).

Since 2006 Davide has been working on national and international research projects, contributing to the application of MDE techniques and tools in various application domains, including service-based software systems, autonomous systems, mining of open-source systems, and modeling hybrid polystore systems. Davide was co-leader of one of the work packages of the OSSMETER EU FP7 project and of the MANCOOSI EU FP7 project. Furthermore, Davide was recently the technical and scientific coordinator of the EU H2020 CROSSMINER project and principal investigator for the University of L'Aquila of the EU H2020 TYPHON project.

ACHIEVEMENT OF PRIZES AND AWARDS FOR RESEARCH ACTIVITIES

- 2021 **ESEC/FSE 2021 Distinguished Reviewer Award**
- 2020 **Best Paper Award:** Phuong T. Nguyen, Juri Di Rocco, Davide Di Ruscio, Massimiliano Di Penta: "CrossRec: Supporting software developers by recommending third-party libraries". J. Syst. Softw. 161 (2020).
  - The paper is among the 5 "Best Paper Award Winners" that have been selected among over 1'000 submissions submitted in 2020 to the Elsevier Journal of Systems and Software.
- Diamond Best Paper Award:** Phuong T. Nguyen, Juri Di Rocco, Davide Di Ruscio, Massimiliano Di Penta: "CrossRec: Supporting software developers by recommending third-party libraries". J. Syst. Softw. 161 (2020).
  - From the 5 Best Paper Award winners, two "Diamond Best Paper Awards" have been identified. According to the board they represent some of the best works submitted to JSS in 2020 (<https://www.journals.elsevier.com/journal-of-systems-and-software/news/best-paper-award-winners>)
- Most Influential Paper Award (MIP)** received at the 13th ACM SIGPLAN Int. Conf. on Software Language Engineering (SLE) for the paper: R. Eramo, A. Pierantonio, D. Di Ruscio and A. Cicchetti: "JTL: a bidirectional and change propagating transformation language". SLE 2010

**ACHIEVEMENT** of the Abilitazione Scientifica Nazionale, Professore I Fascia, Settore Concorsuale 01/B1 – Informatica

- 2019 **Best Paper Award:** Phuong T. Nguyen, Juri Di Rocco, Davide Di Ruscio, Alfonso Pierantonio, Ludovico Iovino "Automated Classification of Metamodel Repositories: A Machine Learning Approach" ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems (MODELS 2019)
- Beneficiary of "quota di finanziamento di Ateneo per giovani ricercatori"** - Università degli Studi dell'Aquila dal 01-06-2019 al 31-12-2019
- 2018 **REVIEWER RECOGNITION from the IEEE SOFTWARE journal.** The Editor in chief issued a certificate to express her appreciation for the contributions as an IEEE SOFTWARE Reviewer in 2018
- REVIEWER RECOGNITION from the Elsevier Journal of Software and Systems Modeling (SOSyM).** The Editors in chief issued a certificate to express their appreciation for the contributions as a SoSyM Reviewer in 2018
- REVIEWER RECOGNITION from the Springer Empirical Software Engineering (EMSE) journal.** The Editors in chief issued a certificate to express their appreciation for the contributions as an EMSE Reviewer in 2018
- 2017 **Best reviewer award** at ACM/IEEE 20th International Conference on Model Driven Engineering Languages and Systems – MODELS 2017
- REVIEWER RECOGNITION** from the Elsevier Journal of Software and Systems Modeling (SOSyM). The Editors in chief issued a certificate to express their appreciation for the contributions as a SoSyM Reviewer in 2017
- Beneficiary of "quota di finanziamento premiale"** by the University of L'Aquila in relation to the project proposal EU H2020-ICT-2016-1 "Domain- Specific Model- Centric Engineering of Smart Cyber- Physical Systems" positively evaluated (with score above the threshold) but not gone to financing. Year 2017
- 2014 **ACHIEVEMENT** of the Abilitazione Scientifica Nazionale, Professore II Fascia, Settore Concorsuale 01/B1 – Informatica 29-01-2014
- 2012 **WINNER OF THE PRIZE "20 talents for Italy" - Working Capital.** The initiative is by Telecom Italia to encourage the emergence of young digital and "green" companies. The proposed project was FLYAQ (<http://www.flyaq.it>), which then became an open-source project in the robotic field, with numerous results published in conferences and international scientific journals. The project was selected among 800 participants throughout Italy.

COORDINATION OF INTERNATIONAL AND NATIONAL RESEARCH PROJECTS

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- from 01-01-2019 to today **PRINCIPAL INVESTIGATOR** for the University of L'Aquila, WORKPACKAGE LEADER of the EU project H2020-MSCA-ITN-2018 "Large-scale Repository and Services for Low-code Engineering" (LOWCOMOTE) n. 813884 (Budget: Tot €4.0M, for University of L'Aquila €523'000)
- from 18-07-2018 to today **MEMBER OF THE STEERING COMMITTEE** of the Project POR FESR Abruzzo 2014-2020 "ConnectPA" (Budget: Tot €5.8M, for the University of L'Aquila €612'000)
- from 01-01-2018 to 31-12-2020 **PRINCIPAL INVESTIGATOR** for the University of L'Aquila and WORKPACKAGE LEADER of the project EU H2020-ICT-2017-1 TYPHON n. 780251 (Budget: Tot. €4.5M, for University of L'Aquila €349'815)
- from 01-04-2017 to 31-03-2020 **TECHNICAL LEADER** for the University of L'Aquila of the project EU H2020-ECSEL-2016-1-RIA-two-stage MegaM@Rt2 n. 737494-2 (Budget: Tot €15M, per University of L'Aquila €308'750)
- from 01-01-2017 to 31-12-2019 **SCIENTIFIC and TECHNICAL LEADER** of the project EU H2020-ICT-2016-1 CROSSMINER n. 732223 (Budget: Tot. €4.5M, for University of L'Aquila €380'922)
- from 01-01-2017 to 31-12-2019 **PRINCIPAL INVESTIGATOR** for the University of L'Aquila and WORKPACKAGE LEADER of the project EU H2020-ICT-2016-1 CROSSMINER n. 732223 (Budget: Tot. €4.5M, for University of L'Aquila €380'922)
- from 01-02-2008 to 31-01-2011 **WORKPACKAGE LEADER** for the project EU FP7-ICT-2007-1 MANCOOSI n. 214898 (Budget: Tot €3.3M, per University of L'Aquila €361'603)
- from 01-10-2012 to 30-04-2015 **Co-PRINCIPAL INVESTIGATOR** for the University of L'Aquila and WORKPACKAGE LEADER for the project EU FP7 STREP OSSMETER n. 318736 (Budget: Tot €2.6M, per University of L'Aquila €343'000)

from 13-10-2014 to 12-10-2017

**TECHNICAL CO-LEADER** in the project "Smart digital ecosystem for the Customer Experience Enhancement", funded by MiSE n. M/0015/03/X23 (Budget: Tot €2.2M, for University of L'Aquila €450'450)

**DIRECTION AND PARTICIPATION IN NATIONAL AND INTERNATIONAL RESEARCH GROUPS**

SCIENTIFIC AND TECHNICAL DIRECTION OF THE RESEARCH GROUP COMPOSED OF

Current members

- Dr. Juri Di Rocco, post-doc on the project "Traceability for Advanced Management of Models in MDE" in relation to the collaboration with the members of the EU H2020 CROSSMINER project consortium.
- Dr. Phuong Nguyen, Assistant Professor working on the project "Extraction and management of cross-project relations between open-source software" characterized by collaborations with the members of the EU CROSSMINER project consortium.
- Mr. Riccardo Rubei, PhD student, XXXIV cycle, working on recommender systems for supporting the development of complex software systems.
- Mr. Claudio Di Sipio, PhD student, XXXV cycle, working on recommender systems for supporting the development of complex software systems.
- Mr. Ihirwe Felicien, PhD student, XXXV cycle, working on low-code methodologies for developing IoT systems in collaboration with Intecs S.p.a
- Mr. Arsene INDAMUTSA, PhD student, XXXV cycle, working on model repositories in low-code environments.
- Mr. Apurvanand Sahay, PhD student, XXXV cycle, working on model transformation compositions for low-code development environments.

Past members

- Dr. Gabriella Fiore, post-doc on the project "Engineering the Software of Mission Critical Unmanned Vehicles" characterized by collaborations with some members of the EU H2020-ICT-2016-2017 project consortium Co4Robots.
- Mrs. Morane GRUENPETER, research associate on the project "Ontologies and Metadata for the classification of Open-Source projects" characterized by collaborations with the members of the EU H2020 CROSSMINER project consortium. Morane's work has been done under the co-supervision of prof. Roberto Di Cosmo (INRIA, Paris Diderot University - France).
- Mr. Gigante Luca, research associate on the "Smart digital ecosystem for the Customer Experience Enhancement" funded by the MiSE and characterized by collaborations with industrial partners including TRANSCOM WORLD WIDE SPA.
- Mr. Di Paolo Fabrizio, research associate on the "Smart digital ecosystem for the Customer Experience Enhancement" funded by the MiSE and characterized by collaborations with industrial partners including TRANSCOM WORLD WIDE SPA.

from 01-01-2019 to today

WORKPACKAGE COORDINATION for the project "Large-scale Repository and Services for Low-code Engineering" EU H2020-MSCA-ITN-2018 LOWCOMOTE n. 813884

from 18-07-2018 to today

STEERING COMMITTEE MEMBER of the project POR FESR Abruzzo 2014-2020 "ConnectPA"

from 01-01-2018 to 31-12-2020

SCIENTIFIC AND TECHNICAL COORDINATION of the research group of the University of L'Aquila member of the EU H2020 research project consortium "TYPHON - Polyglot and Hybrid Persistence Architectures for Big Data Analytics" [[https://cordis.europa.eu/project/rcn/214253\\_en.html](https://cordis.europa.eu/project/rcn/214253_en.html)]

from 01-01-2017 to 31-12-2019

SCIENTIFIC AND TECHNICAL COORDINATION of the EU H2020 project "CROSSMINER - Developer- Centric Knowledge Mining from Large Open-Source Software Repositories" - [<https://www.crossminer.org/>]. The project consortium consists of 12 partners, including 5 academics and 6 industrialists.

from 01-01-2015 to 31-12-2017

PARTICIPATION in the activities of the project "Flexor: FLEXIBLE MODEL-DRIVEN ENGINEERING FOR MOBILE, OPEN, DYNAMIC DATA SYSTEMS"  
Financing Institution: Spanish Ministry of Economy and Competitiveness (TIN2014-52129-R)  
Participating Entities: Universidad Autónoma de Madrid, University of York, University of L'Aquila, ICINETIC, CIVIO, OpenCanarias, CETIC Foundation

from 01-10-2010 to 01-10-2013

PARTICIPATION in the activities of the research group of the University of L'Aquila, partner of the IP FP7 European Project CHOReOS - Large Scale Choreographies for the Future Internet IST-2010-257178 - <http://www.choreos.eu>

from 01-01-2012 to 31-12-2013

PARTICIPATION in the activities of the research group of the DISIM-University of L'Aquila who worked on the project "FARM Free Architecture and Rational Methodology - POR FESR ABRUZZO 2007 2013"

from 01-01-2009 to 30-06-2012

PARTICIPATION in the activities of the DISIM-University of L'Aquila research group that worked on the Italian Project PRIN "D-ASAP - Adaptable Software Architectures and Reliable Pervasive"

from 01-02-2008 to 31-01-2011

COORDINATION OF THE WORKPACKAGE assigned to the University of L'Aquila of the EU FP7 project "MANCOOSI - Managing Software Complexity" [<http://mancoosi.org>]

- from 01-01-2006 to 01-01-2009 PARTICIPATION in the activities of the research group of the University of L'Aquila, partner of the European IP FP6 PLASTIC project (Providing Lightweight and Adaptable Service Technology for pervasive Information and Communication)
- from 09-01-2017 to today MEMBER OF DEWS - Excellence center on "Design methodologies of Embedded controllers, Wireless interconnect and System-on-Chip" [<http://dews.univaq.it/>]

**DIRECTION AND PARTICIPATION IN JOURNAL BOARDS**

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- From 28-01-2022 to today ASSOCIATED EDITOR of Business and Information Systems Engineering Journal [Q1] <http://www.bise-journal.com/>
- from 01-03-2020 to today EDITORIAL BOARD MEMBER of IEEE Software [Q1, H-Index 106] <https://www.computer.org/csdl/magazine/so>
- from 01-03-2019 to today EDITORIAL BOARD MEMBER of Springer International Journal on Software and Systems Modeling (SoSyM) [Q2, H-Index 45] <http://www.sosym.org/>
- from 17-03-2019 to today EDITORIAL BOARD MEMBER of Journal of Object Technology (JOT) [Q3, H-Index 36] <http://www.jot.fm/>
- from 21-07-2017 to today EDITORIAL BOARD MEMBER of IET Software Journal <http://digital-library.theiet.org/content/journals/iet-sen/info/spl-issues>
- Jul-2021 GUEST EDITOR of the special issue "Modeling in Low-Code Development Platforms" of the Software and Systems Modeling (SoSyM) journal  
Guest Editors: Davide Di Ruscio, Esther Guerra, and Massimo Tisi
- from 01-01-2015 to 31-12-2016 GUEST EDITOR of the special issue "Flexible Model Driven Engineering" of the Elsevier Computer Languages, Systems & Structures journal (2016)  
Guest Editors: Davide Di Ruscio, Juan de Lara, Alfonso Pierantonio
- from 01-09-2011 to 01-09-2014 GUEST EDITOR of the special issue "Success Stories in Model Driven Engineering" of the Elsevier Science of Computer Programming journal (2014)  
Guest Editors: Davide Di Ruscio, Richard Paige, Alfonso Pierantonio
- from 01-01-2012 to 31-12-2013 GUEST EDITOR of the special issue "Experimental Software and Toolkits" of the Elsevier Science of Computer Programming journal (2013)  
Guest Editors: Mark van den Brand, Davide Di Ruscio, Dimitris Kolovos, Louis Rose
- from 01-10-2012 to 01-07-2014 GUEST EDITOR of the special issue "Extreme Modeling" of the Journal of Object Technology  
Guest Editors: Davide Di Ruscio, Juan de Lara, Alfonso Pierantonio  
[http://www.jot.fm/contents/issue\\_2014\\_07/xm2012.html](http://www.jot.fm/contents/issue_2014_07/xm2012.html)
- from 30-05-2011 to 01-10-2012 GUEST EDITOR of the special issue "Model Comparison In Practice" of the Journal of Object Technology (2012)  
Guest Editors: Davide Di Ruscio, Dimitris Kolovos -[http://www.jot.fm/contents/issue\\_2012\\_10/editorial.html](http://www.jot.fm/contents/issue_2012_10/editorial.html)

**ORGANIZATION AND PARTICIPATION IN PROGRAM COMMITTEES OF INTERNATIONAL CONFERENCES AND WORKSHOPS**

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PROGRAM CHAIR OF INTERNATIONAL CONFERENCES

- 2022 18th European Conference on Modelling Foundations and Applications  
Co-located with STAF 2022, 4-8 July 2022, Nantes, France
- 2018 11th International Conference on the Quality of Information and Communications Technology - thematic track on Quality Aspects in Model-Driven Engineering (QUATIC 2018)
- 2015 8th Software Language Engineering Conference (SLE 2015)
- 2014 7th International Conference on Model Transformation 2014 (ICMT2014)

PROGRAM CHAIR OF INTERNATIONAL CO-LOCATED EVENTS

- 2020 1st LowCode Workshop co-located with the ACM / IEEE 23rd International Conference on Model Driven Engineering Languages and Systems (MODELS 2020)  
  
ACM Student Research Competition sponsored by Microsoft Research (<http://src.acm.org/>) co-located with the ACM / IEEE 23rd International Conference on Model Driven Engineering Languages and Systems (MODELS 2020)
- 2019 FlexMDE 2019 - 5th Flexible MDE Workshop co-located with the ACM/IEEE 22nd International Conference on Model Driven Engineering Languages & Systems  
  
COMMitMDE 2019 - 4th International Workshop on Collaborative Modelling in MDE co-located with the ACM/IEEE 22nd International Conference on Model Driven Engineering Languages & Systems
- 2018 1st International Workshop on Robotics Software Engineering (RoSE'18) co-located with 40th International Conference on Software Engineering (ICSE) 2018 – Gothenburg (Sweden)  
  
4st Flexible MDE Workshop at ACM/IEEE 20th International Conference on Model Driven Engineering Languages & Systems (MODELS 2018), October 2018  
Copenhagen, Denmark  
  
1st International Workshop on Analytics and Mining of Model Repositories (AMMoRe) ACM/IEEE 20th International Conference on Model Driven Engineering Languages & Systems (MODELS 2018), October 2018 Copenhagen, Denmark
- 2017 3rd Flexible MDE Workshop at ACM/IEEE 20th International Conference on Model Driven Engineering Languages & Systems (MODELS 2017), September 18th, 2017 - Austin (Texas)  
  
ACM Student Research Competition sponsored by Microsoft Research (<http://src.acm.org/>) co-located with the International Conference on Model Driven Engineering Languages & Systems (MoDELS 2017)  
  
Doctoral symposium at the Software Technologies: Applications and Foundations (STAF 2017)  
  
5th BigMDE Workshop at STAF 2017 July, 2017, Marburg, Germany  
  
9th IEEE/ACM International Workshop on Modelling in Software Engineering (MiSE) co-located with ICSE 2017
- 2016 8th IEEE/ACM International Workshop on Modeling in Software Engineering (MiSE) co-located with ICSE 2016  
  
2nd Workshop on Flexible Model Driven Engineering (FLEXMDE) co-located with ACM/IEEE 19th International Conference on Model Driven Engineering Languages & Systems (MoDELS 2016), Saint-Malo, France, October 2, 2016.  
  
4st Workshop on Scalable Model Driven Engineering (BigMDE) part of the Software Technologies: Applications and Foundations (STAF 2016) federation of conferences, Vienna, Austria, July 8, 2016
- 2015 FlexMDE 2015, workshop on Flexible Model Driven Engineering co-located with MODELS 2015  
  
BigMDE 2015, workshop on Scalability in Model Driven Engineering co-located with STAF 2015
- 2014 Extreme Modeling Workshop (XM2014), co-located with MoDELS 2014
- 2013 ACM Student Research Competition sponsorizzato da Microsoft Research co-located with the International Conference on Model Driven Engineering Languages & Systems (MODELS 2013)  
  
Extreme Modeling Workshop (XM2013), co-located with MoDELS2013  
  
ACademics Modelling with Eclipse (ACME2013), co-located with ECMFA2013  
  
BigMDE 2013, co-located with STAF 2013  
  
SATToSE 2013, 6th Seminar Series on Advanced Techniques & Tools for Software Evolution
- 2012 Extreme Modeling Workshop (XM2012), co-located with MoDELS2012  
  
ACademics Modelling with Eclipse (ACME2012), co-located with ECMFA2012
- 2011 2nd International Workshop on Model Comparison in Practice (IWMCP2011), co-located with 49th International Conference on Objects, Models, Components and Patterns (TOOLS2011)
- 2010 1st International Workshop on Model Comparison in Practice (IWMCP2010), co-located with ICMT/TOOLS2010

PROGRAM BOARD MEMBER

- 2022 ACM/IEEE 25th International Conference on Model Driven Engineering Languages and Systems (MODELS) - October 2022
- 2021 ACM/IEEE 24th International Conference on Model Driven Engineering Languages and Systems (MODELS) - October 2021 Fukuoka City, Japan



2018 ACM/IEEE 21th International Conference on Model Driven Engineering Languages and Systems (MODELS2018), 14-19 October 2018 Copenhagen, Denmark

#### GENERALAND WORKSHOP CHAIR

General chair of SATToSE 2014, 7th Seminar Series on Advanced Techniques & Tools for Software Evolution

ORGANIZING COMMITTEE / WORKSHOP CHAIR of STAF 2015, 4th edition of Software Technologies: Applications and Foundations Conference

#### STEERING COMMITTEE MEMBER

- from 01-10-2015 to today Software Language Engineering (SLE) conference  
<http://www.sleconf.org>
- from 11-07-2014 to today Seminar Series on Advanced Techniques & Tools for Software Evolution (SATTOSE)  
<http://sattose.org>
- from 19-05-2016 to today Workshop on Modelling in Software Engineering at ICSE (MiSE)  
[https://sselab.de/lab2/public/wiki/MiSE/index.php?title=Main\\_Page](https://sselab.de/lab2/public/wiki/MiSE/index.php?title=Main_Page)
- from 01-03-2013 to today International Conference on Model Transformation (ICMT) conference <http://www.model-transformation.org>

#### INVITED TALKS AND TUTORIALS

Davide has been INVITED SPEAKER in the following international events:

**"On the way of listening to the crowd for supporting modeling activities"**  
Joint workshop ME + AMMoRe '20 at MODELS 2020 – 16 Oct 2020

**"Use of MDE to Analyse Open Source Software"**  
Model Management And Analytics (MOMA3N) 2018 - January 23, 2018, Madeira, Portugal

**"The Role of Models in Engineering the Software of Robotic System"**  
4th MORSE Workshop at STAF 2017 – 21 July 17 – Marburg (Germany)

**"Developer-Centric Knowledge Mining from Large Open-Source Software Repositories"**  
OW2Con 2017 – June 27, 2017 – Paris (France)

**"The CROSSMINER project"**  
Eclipse Con France – June 22, 2017 – Toulouse (France)

**"A Classification of Collaborative Model-Driven Software Engineering Approaches: Opportunities and Challenges"**  
International Workshop on Collaborative Modelling in MDE (COMMitMDE) at MODELS 2016, Saint-Malo, France

**"MDEForge an extensible software-as-a-service modeling platform"**  
SATToSE'16 – 13 July 2016, Bergen, Norway

**"Model-Driven Engineering at the University of L'Aquila"**  
Papyrus IC Research/Academia Webinar Series - November 25, 2016

**"Co-evolution in Model Driven Engineering"**  
SoTeSoLA 2012 Summer School, University of Koblenz-Landau, Germany

**"Adopting MDE to support the evolution of component-based FOSS systems"**  
INGI Fall 2011 Doctoral School Day  
November 2011, Université catholique de Louvain

**"Managing the evolution of F/OSS with Model-Driven Techniques"**  
Generative & Transformational Techniques in Software Engineering summer school  
July, 2011, Braga, Portugal

**"Automating Co-evolution in Model-Driven Engineering"**  
GRACE International Meeting on Bidirectional Transformations, Shonan Village Center (Japan) -  
December 2008

**"Metamodeling and UML profiling in the domain of context-aware services"**  
GIIS: Gruppo di Interesse in Ingegneria del Software, Como (Italia) - Settembre 2007

#### PROGRAMME COMMITTEE MEMBER

Davide has been PROGRAM COMMITTEE MEMBER for more than 100 international events including the following:

- ICSE 2023 – 45<sup>TH</sup> International conference on Software Engineering
- ESEC/FSE 2021 - ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering
- Artifact Evaluation@ICSE 2021 - Artifact Evaluation Track at the 43<sup>rd</sup> International Conference on Software Engineering
- OSS 2021 - 17th International Conference on Open-Source Systems
- ICSE 2013 - Formal Demo Selection Committee, 35th International Conference on Software Engineering
- SLE 2013/2014 - International Conference on Software Language Engineering
- WEARS 2021 - International Workshop on Evaluation and Analysis of Recommender Systems in Software Engineering co-located with the International Conference on Evaluation and Assessment in Software Engineering (EASE 2021)
- MeSS 2021 - International workshop on MDE for Smart IoT Systems, co-located with STAF'21
- FPVM 2021 - International Workshop on Foundations and Practice of Visual Modeling co-located with STAF'21
- MODELS 2017/2019/2020 - ACM/IEEE International Conference on Model Driven Engineering Languages and Systems
- DS at MODELS 2018/2020 - Doctoral Symposium at International Conference on Model Driven Engineering Languages and Systems
- ECMFA 2019/2020/2021 - European Conference on Modelling Foundations and Applications
- SEAA 2018/2019/2020/2021 - Euromicro Conference on Software Engineering and Advanced Applications
- Second International Workshop on Analytics and Mining of Model Repositories (AMMoRe) at MODELS 2020
- MDE4IoT 2019/2020 - International Workshop on Model-Driven Engineering for the Internet-of Things
- MDE@DeRun 2019/2020 - Int. Workshop on Model-Driven Engineering for Design-Runtime Interaction in Complex Systems, Co-located with STAF
- ME 2010/2011/2012/2013/2014/2016/2017/2018/2019/2020 - International Workshop on Models and Evolution (ME) at MODELS
- MiSE 2014/2015/2016/2018/2019 - IEEE/ACM International Workshop on Modelling in Software Engineering co-located with ICSE
- ACM SRC 2014/2015/2017/2018/2019 - Membro del panel di valutazione dei finalisti della ACM Student Research Competition sponsorizzata da Microsoft Research
- MORSE 2016/2017/2018/2019 - International Workshop on Model-driven Robot Software Engineering at STAF
- ICMT 2008/2009/2010/2012/2013/2015/2016/2017/2018/2019 - International Conference on Model Transformation
- RoSE 2018/2019/2021- International Workshop on Robotics Software Engineering co-located with ICSE SATTose 2017/2019 - Seminar on Advanced Techniques & Tools for Software Evolution
- COMMitMDE 2017/2018/2019 - International Workshop on Collaborative Modelling in MDE co-located with MODELS
- EXE 2017/2018 - International Workshop on Executable Modeling co-located with MODELS
- MDEbug 2017/2018 - International Workshop on Debugging in Model-Driven Engineering co-located with International Conference on Model Driven Engineering Languages and Systems
- MDE4IoT - 1st International Workshop on Model-Driven Engineering for the Internet of Things (MDE4IoT) Co- located with the 7th International Conference on the Internet of Things (IoT 2017)
- ICWE2017 - 17th International Conference on Web Engineering
- 7th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN-2016)
- ACM/IEEE 19th Int. Conference on Model Driven Engineering Languages and Systems (MODELS 2016): Tool Demos
- MODELS 2014/2015/2018 - Posters and Demos Track Committee, ACM/IEEE International Conference on Model Driven Engineering Languages and Systems
- WEBIST 2012/2013/2014/2015 - International Conference on Web Information Systems and Technologies
- DSM 2012/2013/2015 - Workshop on Domain-Specific Modeling co-located with OOPSLA/SPLASH
- GTTSE 2011/2015 - Generative and Transformational Techniques in Software Engineering
- BX 2012/2013 - Workshop on bidirectional transformations co-located with European Joint Conferences on Theory and Practice of Software (ETAPS)
- CPSM 2013 - International Workshop on Communicating Business Process and Software Models in conjunction with the 29th International Conference on Software Maintenance (ICSME)
- ICECCS 2012 - 17th IEEE International Conference on Engineering of Complex Computer Systems
- ICWE 2010 - 10th International Conference on Web Engineering 2010
- ICECCS 2012 - 17th IEEE International Conference on Engineering of Complex Computer Systems
- WASDeTT 2013 - International Workshop on Advanced/Academic Software Development Tools and Techniques co-located with ECOOP 2013

TECHNOLOGY TRANSFER  
ACTIVITIES, DEVELOPMENT  
AND DISTRIBUTION OF  
SOFTWARE PRODUCTS AS  
RESULT OF THE RESEARCH  
ACTIVITY

from 01-01-2004 to 31-12-2005	TECHNOLOGICAL TRANSFER ACTIVITY with the Parco Scientifico e Tecnologico delle Marche (TecnoMarche S.r.l.). During the collaboration, business process modeling systems were identified, selected, and customized to be used in the manufacturing sector which TecnoMarche had active technology transfer projects with.
from 01-10-2007 to 30-11-2007	TECHNOLOGICAL TRANSFER ACTIVITY with Neta Informatica (Mosciano Sant'Angelo) for a pilot study aimed at the adoption of code generation techniques for the development of Web-based enterprise systems. The primary objective was to verify the reduction of time and costs for different application patterns (such as CRUD) using Microsoft Software Factory.
from 01-02-2008 to 31-05-2011	TECHNOLOGICAL TRANSFER ACTIVITY with Caixa Magica (Lisbon, Portugal) for the realization of a meta-installer for APT Debian packages and subsequent applicability verification for Android applications.
from 01-02-2008 to 31-05-2011	TECHNOLOGICAL TRANSFER ACTIVITY with Mandriva (Paris, France) for the realization of a simulator for upgrade scripts of Linux packages.
from 01-04-2011 to 06-07-2011	TECHNOLOGICAL TRANSFER ACTIVITY with the company Zeroclock (Rome) aimed at creating a generator of re-entry plans related to the hardware and software architecture of a large national telephone company. It was a matter of studying how models and techniques of structural similarity could make a comparison between the model of the specification and the model of the real architecture in divergence from the initial one due to subsequent maintenance and evolution.
from 01-04-2012 to 31-03-2015	PARTICIPATION in the RIDITT "Ricostruire" project (funded by the Ministry of Economic Development) - Technology transfer and creation of new companies in the field of advanced ICT technologies applied to post-earthquake economic and territorial development.
from 01-12-2016 to today	TECHNOLOGICAL TRANSFER ACTIVITY with the Celano State Education Department for the creation of a Creative Atelier for the development of students' digital skills, with particular regard to computational thinking, coding, robotics, and critical and conscious use of social networks and of the media.
from 14-07-2008 to 17-07-2008	TEACHER of the UNI-NORGE TRAINING PROJECT on Model- Driven Architecture at Ericsson headquarters in Rome via Anagnina
from 01-01-2006 to today	During his research activity, Davide has collaborated / collaborates with several national and international industrial players including THALES ( <a href="http://www.thalesgroup.com">www.thalesgroup.com</a> ), No Magic Europe ( <a href="http://www.nomagic.com">www.nomagic.com</a> ), Linagora ( <a href="http://www.linagora.com">www.linagora.com</a> ), MLS Multimedia ( <a href="http://www.mls.gr">www.mls.gr</a> ), Virtual Trip Ltd. ( <a href="http://www.vtrip.net">www.vtrip.net</a> ), Wind Telecommunications SpA ( <a href="http://www.wind.it">www.wind.it</a> ), IBM ( <a href="http://www.ibm.com">www.ibm.com</a> ), SIEMENS ( <a href="http://www.siemens.com">www.siemens.com</a> ), Telefonica ( <a href="http://www.tid.es">www.tid.es</a> ), SOFTEAM ( <a href="http://www.softteam.com/">http://www.softteam.com/</a> ), Tecnalia Research and Innovation ( <a href="http://www.tecnalia.es/">http://www.tecnalia.es/</a> ), Caixa Magica ( <a href="http://www.caixamagica.pt/">http://www.caixamagica.pt/</a> ), ILOG/IBM ( <a href="http://www-01.ibm.com/software/info/ilog/">http://www-01.ibm.com/software/info/ilog/</a> ), The Open Group - X/Open Company ( <a href="http://www.opengroup.org/">http://www.opengroup.org/</a> ), Frontendart ( <a href="https://www.frontendart.com/">https://www.frontendart.com/</a> ), Eclipse Foundation Europe GmbH ( <a href="https://www.eclipse.org/">https://www.eclipse.org/</a> ), Volkswagen AG ( <a href="https://www.volkswagenag.com/">https://www.volkswagenag.com/</a> )

Software products developed as RESULTS of the research activity

Eclipse SCAVA – Open-source platform to support the analysis and the development of complex software systems by means of recommendation systems (<https://www.eclipse.org/scava>)

TyphonML – Domain specific languages and tools to support the design and development of hybrid polystore systems (<https://github.com/typhon-project/typhonml/>)

EVOSS - EVolution of free and Open Source Software (<http://evoss.di.univaq.it>) - Tool that allows to simulate updates of complex software systems and to predict failures before modifying the actual configuration of the analyzed system. EVOSS was adopted by Caixa Mágica (<http://www.caixamagica.pt/>), in the CM14 distribution (<http://linux.caixamagica.pt/pag/documentacao/CM14/ManualCxM14.pdf>).

FlyAQ - Software platform that allows to specify and perform environmental monitoring missions through autonomous drones <http://www.flyaq.it>

beContent - Framework for the development of data-intensive Web applications through the adoption of model-driven techniques and of code generation <http://www.becontent.org>

ByADL - Framework to develop Architecture Description Languages (ADLs) implemented on Eclipse platform. - <http://byadl.di.univaq.it>

EMFMigrate - Set of tools and techniques to support the co-evolution of metamodels with transformations, models, and graphic editors <http://www.emfmigrate.org>

GMFEvolution - Tool to support the co-evolution of metamodels and graphic editors developed in GMF (Graphical Modeling Framework) <http://www.emfmigrate.org/gmfevolution/>

JTL - Language for specifying and executing model transformations within model- driven engineering. The peculiarity of the language is that it allows to specify bidirectional transformations and to handle non-bijective cases <http://jtl.di.univaq.it>

MDEFForge - Web-based modeling artifacts repository. The system allows the use of model management tools such as software- as -a-service and can be used remotely without overloading users with complicated installation and configuration procedures. <http://www.mdeforge.org/>



from 01-01-2019 to today

COMMITTEE of the project TyphonML <https://www.typhon-project.org/>

from 01-02-2018 to today

LEADER and COMMITTEE of the Eclipse SCAVA project  
[<https://projects.eclipse.org/projects/technology.scava/who>]

## TEACHING ACTIVITY

### Academic Year 2020-2021

- Software Engineering for Autonomous Systems (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Software Engineering for the Internet of Things (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Multimedialità per le scienze sociali e dell'educazione (**Titolare**)  
3CFU - Università degli Studi dell'Aquila, Corso di Laurea in Scienze della formazione e del servizio sociale Informatica
- TITOLARE DEL CORSO di 6 ore (1CFU) "RECOMMENDATION SYSTEMS IN SOFTWARE ENGINEERING" EROGATO NELL'AMBITO DEL DOTTORATO DI RICERCA IN INGEGNERIA E SCIENZE DELL'INFORMAZIONE - Università degli Studi dell'Aquila (Italy)

### Academic Year 2019-2020

- Software Engineering for Autonomous Systems (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Software Engineering for the Internet of Things (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Multimedialità per le scienze sociali e dell'educazione (**Titolare**)  
3CFU - Università degli Studi dell'Aquila, Corso di Laurea in Scienze della formazione e del servizio sociale Informatica
- TITOLARE DEL CORSO di 6 ore (1CFU) "RECOMMENDATION SYSTEMS IN SOFTWARE ENGINEERING" EROGATO NELL'AMBITO DEL DOTTORATO DI RICERCA IN INGEGNERIA E SCIENZE DELL'INFORMAZIONE - Università degli Studi dell'Aquila (Italy)

### Academic Year 2018-2019

- Software Engineering for Autonomous Systems (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Multimedialità per le scienze sociali e dell'educazione (**Titolare**)  
3CFU - Università degli Studi dell'Aquila, Corso di Laurea in Scienze della formazione e del servizio sociale Informatica

### Academic Year 2017-2018

- Software Engineering for Autonomous Systems (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Multimedialità per le scienze sociali e dell'educazione (**Titolare**)  
3CFU - Università degli Studi dell'Aquila, Corso di Laurea in Scienze della formazione e del servizio sociale Informatica

### Academic Year 2016-2017

- Software Engineering for Autonomous Systems (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Multimedialità per le scienze sociali e dell'educazione (**Titolare**)  
3CFU - Università degli Studi dell'Aquila, Corso di Laurea in Scienze della formazione e del servizio sociale Informatica

### Academic Year 2011-2012

- Tecnologie dei Linguaggi di Programmazione (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Lectures in the context of the course Model Driven Engineering (Prof. Alfonso Pierantonio)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Ciclo di lezioni di Introduzione all'Informatica nell'ambito del corso di Istituzioni di Matematiche  
Università degli Studi dell'Aquila, Corso di Laurea in Biotecnologie

### Academic Year 2010-2011

- 6CFU - Tecnologie dei Linguaggi di Programmazione (**Titolare**)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Lectures in the context of the course Model Driven Engineering (Prof. Alfonso Pierantonio)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Lectures in the context of the course Istituzioni di Matematiche  
Università degli Studi dell'Aquila, Corso di Laurea in Biotecnologie

### Academic Year 2009-2010

- 6CFU - Tecnologie dei Linguaggi di Programmazione (**Titolare**)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Lectures in the context of the course Model Driven Engineering (Prof. Alfonso Pierantonio)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica

- Lectures in the context of the course Istituzioni di Matematiche Università degli Studi dell'Aquila, Corso di Laurea in Biotecnologie

**Academic Year 2008-2009**

- Tecnologie dei Linguaggi di Programmazione (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Informatica
- Lectures in the context of the course Model Driven Engineering (Prof. Alfonso Pierantonio)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica

**Academic Year 2007-2008**

- Laboratorio di Informatica (**Titolare**)  
3CFU - Università degli Studi dell'Aquila, Corso di Laurea in Matematica
- Laboratorio di Calcolatori 1 (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Fisica
- Lectures in the context of the course Model Driven Engineering (Prof. Alfonso Pierantonio)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica

**Academic Year 2006-2007**

- Laboratorio di Calcolatori 1 (**Titolare**)  
6CFU - Università degli Studi dell'Aquila, Corso di Laurea in Fisica

**Academic Year 2005-2006**

- Lectures in the context of the course Tecnologie del Web (Prof. Alfonso Pierantonio)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica

**Academic Year 2004-2005**

- Lectures in the context of the course Laboratorio di Ingegneria del Software (Dott. Amleto Di Salle)  
Università degli Studi dell'Aquila, Corso di Laurea in Informatica

SOME BIBLIOMETRIC INDICATORS

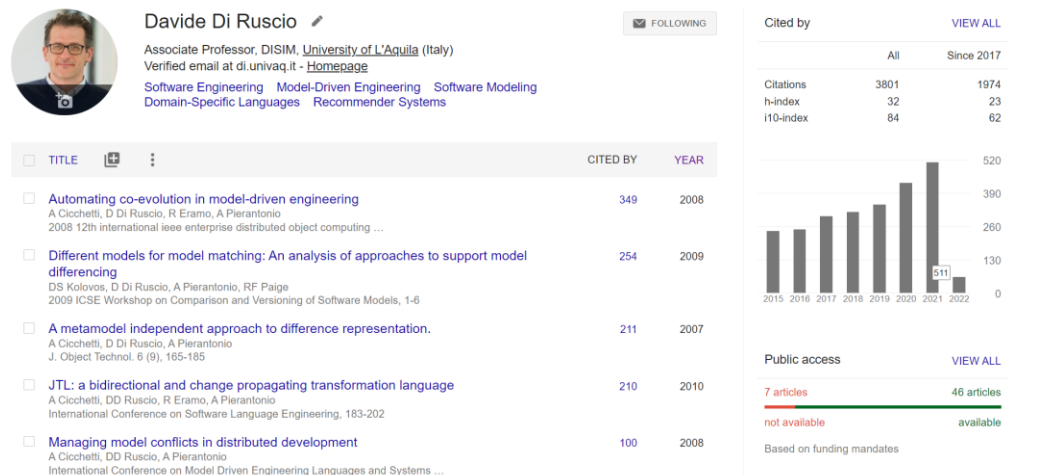
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According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

L'Aquila 19/02/2022