CURRICULUM VITAE ALFONSO PIERANTONIO

* PROFESSIONAL BIOGRAPHY

Alfonso Pierantonio is Full Professor in the Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica of Università degli Studi dell'Aquila. From Jan 2016, he is visiting full professor at the Mälardalens University (Sweden).

Alfonso's expertise lies in the area of software engineering and, in particular, model-driven and language engineering and low-code with special attention to co-evolution techniques, consistency management, and bidirectionality. Recently, he has been focusing on the classification and clustering of modeling artifact repositories. He has been on the organizing committees of several international conferences and is a member of the steering committee of the MoDELS conference. Alfonso is Editor-in-Chief of the Journal of Object Technology, in the Editorial Board of the Journal of Software and System Modeling, and on the Science of Computer Programming advisory board. He is (co-)principal investigator of several research and industrial projects.

* PUBLICATIONS

Alfonso has published more than 170 papers in international journals and conference proceedings. According to Google Scholar, in June 2022, there are more than 4300 citations of the works he has co-authored, with an h-index equal to 34. According to Scopus, in June 2022, the total number of citations exceeds 2200, and the h-index is 26.

* AWARDS

2020, Most Influential Paper Award, ACM SIGPLAN International Conference on Software Language Engineering (SLE) Romina Eramo, Alfonso Pierantonio, Davide Di Ruscio and Antonio Cicchetti: JTL: a bidirectional and change propagating transformation language. SLE 2010

2019, Best paper award
Nguyen, P. T., Di Rocco, J., Di Ruscio, D., Pierantonio, A., & Iovino, L. (2019, September). Automated Classification of Metamodel Repositories: A Machine Learning Approach. In 2019 ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems (MODELS) (pp. 272-282). IEEE.

2015, Best paper award
R. Eramo, A. Pierantonio e G. Rosa. "Managing Uncertainty in Bidirectional Model Transformations". In: ACM SIGPLAN International Conference on Software Language Engineering (SLE 2015). 2015, pp. 49–58.

* TEACHING

Alfonso is teaching the following courses:

- Model Driven Engineering for the graduate curriculum on Computer Science at University of L'Aquila.
- Advanced Modeling Techniques for the graduate curriculum on Computer Science at University of L'Aquila.
- Tecnologie del Web for the undergraduate curriculum on Computer Science at University of L'Aquila.

Since his first appointment, he supervised 130 theses among under and graduate students of which 19 received 110/110 summa cum laudae. Moreover, he has been teaching short courses for PhD students on model-driven engineering and modeling. From 2004 until 2017, he has been coordinator of Master di I livello in Web Technologies.

* EVALUATOR

Alfonso has been evaluator of project proposals for the following programmes:

- Dutch Research Council (NWO Netherlands)
- FNR Award for Outstanding PhD Thesis (FNR Luxembourg)
- Innovative Projects Research Programme (TU-Wien, Austria)
- Research Programme CORE (FNR Luxembourg)
- Research Foundation Flanders (Belgium)
- Luxembourg AFR funding programme (FNR Luxembourg)

Moreover, he has been member of the following selection panels

- associate professorship at the Università degli Studi dell'Insubria, Italy
- associate professorship at the Università degli Studi dell'Aquila, Italy
- full professorship at University of York, UK
- full professor position at Università degli Studi della Campania Vanvitelli, Italy

- RTDa positions at the Gran Sasso Science Institute, L'Aquila
- RTDa positions at University of L'Aquila
- ricercatore universitario at the University Sapienza of Rome
- ricercatore universitario at the University of Florence
- ricercatore universitario at the University of Camerino
- ricercatore universitario at the University Ca' Foscari of Venice

* EDITORIAL BOARDS

- Editor-in-Chief of the Journal of Object Technology
- Member of the Advisory Board of Science of Computer Programming
- Member of Editorial Board of the Journal on Software and System Modeling

* CONFERENCE ORGANIZATION and COMMITTEES

- member of the steering committee, MoDELS, 2020 to present
- member of the steering committee, GTTSE, 2017 to present
- chair of the steering committee, ICMT, 2008-2017

- general chair MoDELS 2023, Västerås (Sweden)
- general chair STAF 2015, L'Aquila
- general chair ICMT 2008, Zurich (Switzerland)

- track chair QUATIC 2022, Talavera de la Reina (Spain)
- program chair ECMFA 2018, Toulouse (France)
- program co-chair Educators Symposium at MoDELS 2017, Austin (USA)
- program co-chair ACM SAC 2007, Seoul (South Korea)
- program co-chair ACM SAC 2006, Dijon (France)

- panel chair MoDELS 2022, Montreal, Canada

- workshop co-chair ME at MoDELS 2010 – 2019
- workshop co-chair FlexMDE at MoDELS 2015 – 2018
- workshop co-chair Grand Challenges in Modeling at STAF 2017
- workshop co-chair CSXW 2011
- workshop co-chair MCCM 2008
- workshop co-chair XM 2013 – 2014

- co-organizer Winter Modeling Meeting 2018-2020
- co-organizer 12th Intl School on Formal Methods for the Design of Computer, Communication and Software Systems: Model-Driven Engineering (SFM 2012)

- program committee and program board of various international conferences incl. ASE, ECMFA, FASE, ICMT, ICWE, MoDELS, SEAA, SEKE, SLE, QUATIC, TOOLS EUROPE, WWW

* KEYNOTE SPEAKER

- 2022 16th Intl Working Conference on Variability Modelling of Software-Intensive Systems, VaMoS'22, Florence (Italy)
- 2019 Junior Researcher Community, STAF 2019, Eindhoven (Netherlands)
- 2018 Invited Session on Model-Driven Engineering, STAF 2018, Toulouse (France)
- 2016 Educators Symposium, MoDELS 2016, Saint Malo (France)
- 2012 Industrial Track of Software Language Engineering, Dresden (Germany)
- 2012 Intl Conference on Graph Transformation (ICGT 2012), Bremen (Germany)
- 2011 Summer School on Generative and Transformational Techniques in Software Engineering, Braga (Portugal)

* PRINCIPAL INVESTIGATOR IN FUNDED PROJECTS

Alfonso has been involved also in the following projects:

- EU H2020-MSCA-ITN-2018 LOWCOMOTE, co-principal investigator for L'Aquila, ESR supervisor, site coordinator
- EU H2020-ICT-2017-1 TYPHON, co-principal investigator for L'Aquila
- EU H2020-ICT-2016-1 CROSSMINER, site coordinator
- EU FP7-ICT-2013-11 LEARNPAD, principal investigator for L'Aquila, workpackage leader, site coordinator
- EU FP7-ICT-2011-8 OSSMETER, site coordinator
- EU FP7-ICT-2007-1 MANCOOSI, principal investigator for L'Aquila, workpackage leader, site coordinator

- POS/FESR Project FARM (Regional), principal investigator of the project, workpackage leader.

- ERMES (Industrial fully funded by RFI SpA), co-principal investigator

* PARTICIPATION IN FUNDED PROJECTS

He participated to the following projects

- EU FP6-2005-IST POPEYE
- MIUR National Project SAHARA
- MURST programma di ricerca di interesse nazionale SALADIN
- EC TMR Network GETGRATS

* PHD STUDENTS

- Prof. Davide Di Ruscio, 2003-2007
- Prof. Antonio Cicchetti, 2004-2008
- Dr. Romina Eramo, 2006-2010
- Dr. Ludovico Iovino, 2009-2012
- Dr. Romeo Marinelli, 2011-2015
- Dr. Gianni Rosa, 2012-2017
- Dr. Francesco Basciani, 2013-2017
- Dr. Juri Di Rocco, 2013-2017
- Mr. Arsene Indamutsa, 2019 to present
- Mr. Apurvanand Salay, 2019 to present
- Mr. Felicien Ihirwe, 2019 to to present

* PARTICIPATION IN PHD COMMITEES

- Dr. Andres Yie, Vrije Universiteit Brussel, Belgium, defense 2010
- Dr. Louis Rose, University of York, UK, defense 2011
- Dr. Kerstin Altmanninger, Johannes Kepler University Linz, Austria, defense 2011
- Dr. Petra Brosch, Technische Universität Wien, Austria, defense 2011
- Dr. Loli Burgueño, University of Malaga, Spain, defense 2016
- Dr. Thanos Zolotas, University of York, UK, defense 2016
- Dr. Andrei Varanovich, University of Koblenz-Landau, Germany, defense 2017
- Dr. Darko Bozhinoski, Gran Sasso Science Institute, L'Aquila, defense 2017

* POST-DOCTORAL ADVISORY

- Dr. Eric Umuhoza, 2017-2018
- Prof. Davide Di Ruscio, 2007-2012
- Prof. Antonio Cicchetti, 2008-2010
- Dr. Romina Eramo, 2010-2018
- Dr. Ludovico Iovino, 2012-2015
- Dr. Juri Di Rocco, 2017 to present
- Dr. Francesco Basciani, 2017 to present

* ACTIVITIES AT THE UNIVERSITY OF L'AQUILA

- Alfonso is member of the Assemblea Consortile of CINECA where he represents the University of L'Aquila

* PARTICIPATION TO SPIN-OFF COMPANIES

- Beep Innovation, Founder and President, 2004 to present
- Montages AG, Zurich, Founder 1998-2003

* PATENTS

A number of his publications have been used for the registration process of:

United States patent No. 7,340,728 (2008)
Methods and Systems for Direct Execution of XML Documents
https://patents.google.com/patent/US20020111965A1/en

* RESEARCH

Alfonso's research activity has focused on many aspects of Language and Software Engineering including in chronological order: (1) the formal characterization of object systems by means of algebraic and categorical methods, (2) the specification of languages and fast prototyping of programming environments, and (3) model-driven engineering.

In particular, his recent activities in model-driven engineering focused on a wide range of topics, such as:

- low-code development platforms
- meta-modeling and domain-specific modeling,
- model-driven techniques in web engineering,
- model differencing and conflict management,
- coupled evolution, bi-directionality and uncertainty management,
- model management,
- software quality,
- software architecture, and
- free and open-source software.

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