Catarina Gralha

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Education

on going   **PhD Computer Science**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa*, Portugal.
Software engineering, with a focus on requirements engineering and software quality, using Empirical Software Engineering techniqueso.

2014   **MSc Computer Science and Engineering**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa*, Portugal.
Specialisation in software engineering. MSc thesis graded 20/20.

2012   **BSc Computer Science and Engineering**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa*, Portugal.
Final project graded 17/20.

Positions

Aug. 2018 – Sept. 2018   **Visiting Research Student**, *University of Bristol*, United Kingdom.
I worked with Dr. Awais Rashid and Dr. Ben Shreeve, in the Bristol Cyber Security group.
We applied Grounded Theory to a set of game session about security requirements elicitation.

Jan. 2017 – June 2017   **Visiting Research Student**, *University of Victoria*, Canada.
I worked with Dr. Daniela Damian, in the SEGAL Research Group.
We performed observations, interviews, meetings, and offered counselling to software startups, with regard to their practices in Requirements Engineering.

Jan. 2014 – present   **Graduate Teaching Assistant**, *Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa*, Portugal.
Lab classes and office hours of the courses:
- Software Development Methods (UML, OCL)
- Introduction to Programming (Java)
- Object-Oriented Programming (Java)
- Object-Oriented Programming B (Java)
- Web Development (Ruby on Rails)
- Informatics for Science and Engineering (Octave)
- Transversal Skills for Science and Technology

Grants, Honors, and Awards

2015   FCT-MCTES (Portuguese Foundation for Science and Technology) Research Grant for PhD students (4-years long)

2014   Best paper award in the 26th International Conference on Advanced Information Systems Engineering (CAiSE'14)

Publications

Journal Articles

2015 **Catarina Gralha**, Miguel Goulão, João Araújo. Metrics for Measuring Complexity and Completeness for Social Goal Models, *Information Systems Vol. 53*

Conferences and Workshops

2019 **Catarina Gralha**, Miguel Goulão, João Araújo. Analysing gender differences in building social goal models: a quasi-experiment. *Proceeding of the 27th IEEE International Requirements Engineering Conference (RE 2019)*

2018 Mafalda Santos, **Catarina Gralha**, Miguel Goulão, João Araújo. Increasing the Semantic Transparency of the KAOS Goal Model Concrete Syntax. *Proceeding of the 37th International Conference on Conceptual Modeling (ER 2018)*

Mafalda Santos, **Catarina Gralha**, Miguel Goulão, João Araújo, Ana Moreira. On the Impact of Semantic Transparency on Understanding and Reviewing Social Goal Models. *Proceeding of the 26th IEEE International Requirements Engineering Conference (RE 2018)* (**Candidate for Best Paper Award**)

Catarina Gralha, Daniela Damian, Anthony I. Wasserman, Miguel Goulão, João Araújo. The Evolution of Requirements Practices in Software Startups. *Proceeding of the 40th International Conference on Software Engineering (ICSE 2018)*

2016 Lyrene Silva, Ana Moreira, João Araújo, **Catarina Gralha**, Miguel Goulão and Vasco Amaral. Exploring Views for Goal-oriented Requirements Comprehension. *Proceedings of the 35th International Conference on Conceptual Modeling (ER 2016)*

Mafalda Santos, **Catarina Gralha**, Miguel Goulão, João Araújo, Ana Moreira, João Cambeiro. What is the Impact of Bad Layout in the Understandability of Social Goal Models? *Proceedings of the 24th International Requirements Engineering Conference (RE 2016)*

Catarina Gralha. Evaluation of Requirements Models. *Doctoral Symposium @ 24th International Requirements Engineering Conference (DS@RE 2016)*

Denise Bombonatti, **Catarina Gralha**, Ana Moreira, João Araújo, Miguel Goulão. Usability of Requirements Techniques: A Systematic Literature Review. *Proceedings of the 31st ACM Symposium on Applied Computing - Requirements Engineering Track (SAC 2016)*

2014 **Catarina Gralha**, Miguel Goulão, João Araújo. Identifying Modularity Improvement Opportunities in Goal-oriented Requirements Models. *Proceedings of the 26th International Conference on Advanced Information Systems Engineering (CAiSE 2014)* (**Best Paper Award**)

2013 **Catarina Gralha**, Miguel Goulão, João Araújo. A Systematic Comparison of i* Modelling Tools Based on Syntactic and Well-formedness Rules. *Proceedings of the 6th International i* Workshop 2013 (i* workshop @ CAiSE 2013)*

Activities

Reviewer

2018 Information and Software Technology Journal (INFSOF)

Transactions on Software Engineering (TSE)

2019 International Requirements Engineering Conference (RE 2019)

2018 International Requirements Engineering Conference (RE 2018)

International Conference on Advanced Information Systems Engineering (CAiSE 2018)

ACM/SIGAPP Symposium on Applied Computing (SAC 2018)

International Conference on Information Systems Development (ISD 2018)

IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2018)

International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ 2018)

2016 Journal of Information and Software Technology (2016)

IEEE International Requirements Engineering Conference (RE 2016)

2015 Brazilian Symposium on Software Engineering (SBES 2015)

Web Chair

2017 IEEE International Requirements Engineering Conference (RE 2017)

2016 IEEE International Requirements Engineering Conference (RE 2016)

Student Volunteer

2017 International Requirements Engineering Conference (RE 2017)

2012 INForum Simpósio de Informática (INForum 2012)

Others

2018 Organization of the 3rd Workshop of the Doctoral Program in Informatics of Universidade Nova de Lisboa

Graduation Activities

During my PhD, I (informally) co-supervised the following MSc students:

on going Rita Pereira. Thesis: *Quality Evaluation of User Stories*. Co-supervision with Dr. Miguel Goulão and Dr. João Araújo

2017 Mafalda Santos. Thesis: *Cognitive Effectiveness Evaluation of Goal-Oriented Requirements Models*. Co-supervision with Dr. Miguel Goulão and Dr. João Araújo.

Projects

2017 – present **NaPiRE**, *Naming the Pain in Requirements Engineering*.
NaPiRE constitutes a globally distributed family of surveys on RE practices and problems. The main goal is to help the research community getting a better understanding of industrial trends in RE and problems faced therein.

Communication and Outreach

2009 – present Expo FCT@DI, an open day of Faculdade de Ciências e Tecnologia, with demonstrations and activities for middle and high school students.

2018 – 2019 Ciência Viva no Laboratório, a scientific program for non-University students during the summer.

Languages

Portuguese **Native language**

English	**Proficient user (C1)**	*Language course at ILNOVA (2010)*
French	**Proficient user (C1)**	*Language courses at Alliance Française (2011-2015)*
Japanese	**Basic user (A1)**	*Language courses at ILNOVA (2017-2018)*

Voluntary work

Jan. 2016 – June 2016	Helping and guiding Erasmus students during their stay in Lisboa, Portugal, through the Buddies Program of AEFCT (students' union).
Nov. 2013 – July 2015	Recreational and educational activities (homework assistance, study monitoring) with children (6-15 years old) in Bairro da Ameixoeira, Lisboa, Portugal.
July 2013 – Aug. 2013	Teaching and taking care of children (9-16 years old) in the summer camp Koniland in Volgograd region, Russia.