

Rachel Carlos Duque Reis

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Education

- 2014 – currently** Ph.D student in Computer Science (currently being attended)
Title: Development and evaluation of an ontological model in the process of forming high performance learning groups using affective states.
Advisor: Seiji Isotani
University of São Paulo (USP), Brazil
- 2002 – 2004** Master's Degree in Electrical Engineering
Title: Fuzzy relational ontological model in information search systems.
Advisor: Fernando Antônio Campos Gomide
University of Campinas (Unicamp), Brazil
- 1997 - 2002** Graduation (Bachelor) in Computer Science
Title (research project): Educational software to support students with special needs of learning.
Advisor: Marcus Vinícius Alvim Andrade
Federal University of Viçosa (UFV), Brazil

Professional Experience

- 2010 – currently** Assistant Professor (*currently in full license*)
Federal University of Viçosa (UFV), Brazil
Responsibilities: Teaching programming classes, guiding undergraduate students, developing research and extension projects and publishing papers.
- 2004 - 2010** Software Analyst
Eldorado Research Institute, Brazil
Responsibilities: Tester, using a static analysis tool, called *Klocwork*, integrated into Motorola development environment.

Research Projects

- 2014 – currently** Learning group formation using affectivity.
University of São Paulo (USP), Brazil
Description: This project aims at investigating the use of affectivity to form learning groups in intelligent collaborative environments.
- 2013 - 2015** Meninas++: an approach to attract female students to the Information Technology area.
Federal University of Viçosa (UFV), Brazil
Description: This project aims at developing an approach to support initiatives to attract female students to the Information Technology area.
- 2012 - 2013** Development of an educational software to support the learning process of students with special needs
Federal University of Viçosa (UFV), Brazil
Description: This project aims at developing an educational software to support literacy process of students with special needs.

Scientific Publication

- **Name in citations:** Reis, R. C. D. and Pereira, R. C.
- **Journal**
 - **Reis, R. C. D.;** Rodriguez, C. L.; Chalco, G. C.; Lyra, K. T.; Jaques, P. A.; Bittencourt, I. I.; Isotani, S. (2016). *Step Towards a Model to Bridge the Gap Between Personality Traits and Collaborative Learning Roles*. Interaction Design and Architecture(s) Journal (IXD&A), v. 28, p. 124-144.
 - **Reis, R. C. D.,** Rodriguez, C. L., Lyra, K. T., Jaques, P. A., Bittencourt, I. I., Isotani, S. (2015). *A Systematic Study of the Literature on Affective States for Group Formation in CSCL Environments*. Brazilian Journal on Computer in Education (RBIE), 2015, v. 23, p. 113-130. (Paper in portuguese)
 - **Pereira, R. C. ;** Ricarte, I. L. M.; Gomide, F. A. C. (2009). *Information retrieval with FROM: The fuzzy relational ontological model*. International Journal of Intelligent Systems, v. 24, p. 340-356.
- **Book Chapter**
 - **Pereira, Rachel, C.;** Ricarte, I.; Gomide, F. (2006) *Chapter 20: Fuzzy relational ontological model in information search systems*. In: Elie Sanchez. (Org.). *Capturing Intelligence*. 1ed. Amsterdam: Elsevier, p. 395-412.
- **Conference**
 - **Reis, R. C. D.;** Rodriguez, C. L.; Lyra, T. K.; Isotani, S. (in press). *Experience Using Individual Digital Educational Games in Collaborative Contexts*. In: Proceeding of Workshop of Computer at School. (Paper in portuguese)
 - **Reis, R. C. D.;** Rodriguez, C. L.; Lyra, T. K.; Isotani, S. (in press). *Investigating the Impact of Impulsivity Characteristic in Computer Supported Collaborative Learning*. In: V Brazilian Congress on Computer in Education (CBIE), Uberlândia, Brazil. (Paper in portuguese)
 - **Reis, R. C. D.;** Rodriguez, C. L.; Chalco, G. C.; Jaques, P. A.; Bittencourt, I. I.; Isotani, S. (2015). *Relationship between Affective States and Learning Theories in Group Formation in CSCL Environments*. In: IV Brazilian Congress on Computer in Education (CBIE), Maceió, Brazil. Proceeding of Brazilian Symposiums in Computer in Education, p. 1-10. (Paper in portuguese)
 - **Reis, R. C. D.;** Rodriguez, C. L.; Lyra, K. T.; Jaques, P. A.; Bittencourt, I. I.; Isotani, S. (2015). *Affective States in CSCL environment: A Systematic Mapping of the Literature*. In: Proceedings of the IEEE International Conference on Advanced learning Technologies, p. 1-5.
 - Nunes, M. M.; Rodrigues, L. F.; Martinhago, A. Z.; Soares, L. S.; **Reis, R. C. D.** (2015). *An initiative to attract female high school students to the Information Technology Area*. In: IV Brazilian Congress on Computer in Education (CBIE), 2015, Maceió, Brazil. Proceeding of Workshop of Computer at School, p. 1-10. (Paper in portuguese)
 - **Pereira, R. C;** Ricarte, I. L. M.; Gomide, F. A. C. (2005). *Relational ontology in information retrieval systems*. In: Eleventh International Fuzzy

Systems Association World Congress, 2005, Beijing. Fuzzy Logic, Soft Computing and Computational Intelligence. New York : Springer, 2005, 2005. v. 1. p. 509-514.

Event Participation/Organization

- **2015** – “IV Brazilian Congress on Computer in Education (CBIE)”, Maceió, Brazil.
- **2015** – “Summer School on Computer in Education”, University of São Paulo, Brazil.
- **2014** – “Ada Lovelace Day”, Federal University of Viçosa (UFV), Brazil (organizing committee member)
- **2013** – “II Brazilian Congress on Computer in Education (CBIE)”, Campinas, Brazil.
- **2012** – “I Brazilian Congress on Computer in Education (CBIE)”, Rio de Janeiro, Brazil.

Honors and Awards

- **2015** – Honorable Mention as best paper entitled "An initiative to attract female high school students to the Information Technology area", paper presented in IV Brazilian Congress on Computer in Education (CBIE 2015).
- **2014** – Arthur Bernardes Award (offered by Federal University of Viçosa) for the project entitled "Meninas++ an initiative to attract women to the computer area developed in Rio Paranaíba city".
- **2014** – Honored teacher, Bachelor of Information Systems - Class 2014.
- **2012** – Honorable Mention (offered by Federal University of Viçosa) for the project "Computational activities to support literacy process of students with special needs from APAE institution of Rio Paranaíba city".
- **2007** – International Recognition in Motorola company, Eldorado Research Institute, Brazil.

Other Information

- **Courses**
 - **March/2016** – “Academic Oral Presentations in English”, 10 hours, University of São Paulo, Brazil
 - **July/2015** – “Scientific Writing in English”, 8 hs, University of São Paulo, Brazil.
 - **Nov/2012** – “Intelligent Learning Environments which recognize and express emotions and personality traits”, 8hs, Update Journey on Informatics in Education, II Brazilian Congress on Computer in Education (CBIE), Rio de Janeiro, Brazil.
- **Java Certification**
 - **March/2005** – Sun Certified Programmer for the Java 2 Platform 1.4

Volunteer work

2015 – currently Animal Defenders Association – ADAMA group, Rio Paranaíba, Minas Gerais - Brazil. (member)