Toacy Oliveira

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Curriculum

Dr. Oliveira completed his PhD at the Pontifical Catholic University of Rio de Janeiro (PUC-Rio) in Brazil in 2001, under the supervision of Professor Carlos Lucena with emphasis on Software Engineering. In 2002 Toacy started his academic career. He was granted funding Brazilian Research Funding Agency(CAPES), and joined the School of Computer Science at the University of Waterloo, Canada, as a postdoctoral fellow for two years, where he began working with Professor Donald Cowan. During his postdoc Toacy published several research results including an article at high impact IEEE Transactions on Software Engineering journal in 2004. Toacy returned to Brazil and joined the Computer Science Department at the Pontifical Catholic University of Rio Grande do Sul (PUC-RS) as an Associate Professor. At PUC-RS taught undergrad and grad courses, develop internationally recognized research in Software Engineering and lead Research and Development projects funded by Research Agencies and surrounding IT Companies. During four years at PUC-RS Toacy supervised 5 MSc students, published more than 15 peer reviewed articles and was granted funding in the excess of R$ 400.000 as the Principal Investigator Late 2009 Toacy participated on a competitive selection process and joined one of the best graduate departments in Computer Science in Brazil, the Systems Engineering and Computer Program at the Federal University of Rio de Janeiro (COPPE/UFRJ - http://www.cos.ufrj.br/), as an Assistant Professor. At COPPE/UFRJ Toacy teaches Software Engineering and Software Processes courses and also maintains a high quality internationally recognized research agenda with grad students. For the past 5 years Toacy has been actively participating in the software engineering community by publishing important results in journals from the Scimago Quartile1 including the Journal of Systems and Software and the Information and Software Technology and conferences such as the Product Focused Software Process Improvement and the International Conference on Software and Systems Processes. Toacy also participates as reviewer to conferences and journals and in 2015 was the program co-chair at Ibero-American Congress of Software Engineering. Toacy supervised more than 20 grad students, being 2 PhDs and 3 MScs students in the past 5 years, and is currently advising 4 PhD students and 3 MSc students. Moreover, Toacy has published more than 60 peer-reviewed papers, being 30 in the las 5 years. Currently his scores are: Google h-Index = 14; ResearchGate RGScore = 16.56; Scopus h-index = 9). Toacy also participates on international projects at the University of Waterloo, Canada and with ISCTE/IUL in Portugal. It is also important to mention Toacy's entrepreneurship. In 1998, Toacy founded the OWS Informatica, a software development

company with many clients. In 2011 OWS(E) had 45 developers when Toacy sold his shares to commit to his academic career and new R&D endeavors.

Total Citations

Web of Science®	158
Scopus	241

Publications

• Scientific Journals

- Scientific journal paper

1	Lucas, E. M., Oliveira, T., Farias, K. & Alencar, P. S. C. (2017). CollabRDL: a language to coordinate collaborative reuse. Journal of Systems and Software. 131, 505-527 - Times Cited Web of Science®: 10 - Times Cited Scopus: 12 - Times Cited Google Scholar: 17

• Books and Book Chapters

- Book author

1	Campos, A.L.N., Oliveira, T., Alencar, P.S.C., Cowan, D.D. & Mulholland, D. (2013). Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). - Times Cited Scopus: 8
2	Basso, F.P., Werner, C.M.L., Pillat, R.M. & Oliveira, T. (2013). A common representation for reuse assistants. - Times Cited Scopus: 3 - Times Cited Google Scholar: 5
3	Pereira, E.B., Bastos, R.M., Oliveira, T. & Móra, M.C. (2012). A set of well-formedness rules to checking the consistency of the software processes based on SPEM 2.0. - Times Cited Google Scholar: 1
4	Alencar, P.S.C., Cowan, D.D., Mulholland, D. & Oliveira, T. (2003). Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). - Times Cited Scopus: 6

• Other Publications

- Non-peer-reviewed papers

1	Gonçales, L.J., Farias, K., Oliveira, T. & Scholl, M. (2019). Comparison of software design models: An extended systematic mapping study. ACM Computing Surveys. 52 (3) - Times Cited Web of Science®: 8 - Times Cited Scopus: 9 - Times Cited Google Scholar: 22

2	Basso, F.P., Oliveira, T., Werner, C.M.L. & Becker, L.B. (2017). Building the foundations for 'MDE as service'. IET Software. 11 (4), 195-206 - Times Cited Web of Science®: 4 - Times Cited Scopus: 4 - Times Cited Google Scholar: 14
3	Basso, F.P., Pillat, R.M., Oliveira, T., Roos-Frantz, F. & Roos-Frantz, F. (2016). Automated design of multi-layered web information systems. Journal of Systems and Software. 117, 612-637 - Times Cited Web of Science®: 11 - Times Cited Scopus: 13 - Times Cited Google Scholar: 30
4	Pillat, R.M., Oliveira, T., Alencar, P.S.C. & Cowan, D.D. (2015). BPMNt: A BPMN extension for specifying software process tailoring. Information and Software Technology. 57 (1), 95-115 - Times Cited Web of Science®: 56 - Times Cited Scopus: 62 - Times Cited Google Scholar: 105
5	Gonçales, L.J., Farias, K., Scholl, M., Veronéz, M. & Oliveira, T. (2015). Comparison of design models: A systematic mapping study. International Journal of Software Engineering and Knowledge Engineering. 25 (9-10), 1765-1769 - Times Cited Web of Science®: 6 - Times Cited Scopus: 8 - Times Cited Google Scholar: 17
6	Oliveira, T., Alencar, P.S.C. & Cowan, D.D. (2011). ReuseTool - An extensible tool support for object-oriented framework reuse. Journal of Systems and Software. 84 (12), 2234-2252 - Times Cited Web of Science®: 18 - Times Cited Scopus: 23 - Times Cited Google Scholar: 40
7	Oliveira, K., Breitman, K. & Oliveira, T. (2009). A flexible strategy-based model comparison approach: Bridging the syntactic and semantic gap. Journal of Universal Computer Science. 15 (11), 2225-2253 - Times Cited Web of Science®: 5 - Times Cited Scopus: 9 - Times Cited Google Scholar: 19
8	Mendonca, M., Cowan, D.D., Malyk, W. & Oliveira, T. (2008). Collaborative product configuration: Formalization and efficient algorithms for dependency-analysis. Journal of Software. 3 (2), 69-82 - Times Cited Scopus: 27
9	Oliveira, T., Alencar, P.S.C., de Lucena, C.J.P. & Cowan, D.D. (2007). RDL: A language for framework instantiation representation. Journal of Systems and Software. 80 (11), 1902-1929 - Times Cited Web of Science®: 9 - Times Cited Scopus: 12 - Times Cited Google Scholar: 21
10	Campos, A.L.N., Kawachi, E.Y., Oliveira, T. & Thim, G.P. (2005). Mullite crystallization mechanism obtained from kinetic parameters determination for seeded and non-seeded gel. Materials Science and Engineering B: Solid-State Materials for Advanced Technology. 122 (3), 169-173 - Times Cited Web of Science®: 14 - Times Cited Scopus: 15

11	Oliveira, T., Alencar, P.S.C., Filho, I.M., de Lucena, C.J.P. & Cowan, D.D. (2004). Software process representation and analysis for framework instantiation. IEEE Transactions on Software Engineering. 30 (3), 145-159 - Times Cited Web of Science®: 12 - Times Cited Scopus: 22 - Times Cited Google Scholar: 28
12	Jiau, H.C., Kao, C.H., Ssu, K.-F., Oliveira, T., Alencar, P.S.C., Filho, I.M....Cowan, D.D. (2004). Erratum: "software process representation and analysis for framework instantiation" (IEEE Trans. Software Eng. (2004) vol. 30 (3) (pp. 145-159)). IEEE Transactions on Software Engineering. 30 (10), 707-708 - Times Cited Web of Science®: 1 - Times Cited Scopus: 2
13	Filho, I.M., Oliveira, T. & de Lucena, C.J.P. (2004). A framework instantiation approach based on the Features Model. Journal of Systems and Software. 73 (2), 333-349 - Times Cited Web of Science®: 4 - Times Cited Scopus: 6 - Times Cited Google Scholar: 15
14	Oliveira, T., Filho, I.M., Alencar, P.S.C., de Lucena, C.J.P. & Cowan, D.D. (2004). Response to Jiau et al.'s Comments. IEEE Transactions on Software Engineering. 30 (10), 708-708