Lesandro Ponciano

Professor and researcher in the areas of Human-Computer Interaction, Collaborative Systems, e-Science, and Citizen Science

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Education

PhD. in Computer Science (2012 - 2015) **-** *Federal University of Campina Grande, Brazil*
- ○ Thesis: Human Computation from the Perspective of the Engagement and Credibility of Humans, and the Replication of Tasks
- ○ Advisor: Francisco Brasileiro, PhD. Newcastle University (UK), fubica@dsc.ufcg.edu.br
- ○ Grade Point Average: 10.0/10

M.Sc. in Computer Science (2009 - 2011) **-** *Federal University of Campina Grande, Brazil*
- ○ Thesis: Assessing Energy Saving Strategies in Peer-to-Peer Opportunistic Grids
- ○ Advisor: Francisco Brasileiro, PhD. Newcastle University (UK), fubica@dsc.ufcg.edu.br
- ○ Grade Point Average: 9.0/10

B.Sc. in Information Systems (2005 - 2008) **-** *Pontifical Catholic University of Minas Gerais, Brazil*
- ○ Grade Point Average: 8.9/10

Experiences

Associate Professor (February 2016 - current, > 5 years)
Pontifical Catholic University of Minas Gerais - Belo Horizonte, Minas Gerais, Brazil
- ○ Programs: Information Systems, Software Engineering, Electrical Engineering, Computer Science
- ○ Courses: Human-Computer Interaction, Software Testing, Software Quality, Requirements Engineering

Researcher (January 2016 - December 2016, 12 months)
Laboratory of Distributed Systems - Campina Grande, Paraíba, Brazil
- ○ Sponsored by Hewlett-Packard (HP)
- ○ Supervisor: Andrey Brito, andrey@computacao.ufcg.edu.br
- ○ Technical skills: R, Python, Internet of Things (IoT), survey design and validation

Analytics Tutor (January 2012 - May 2013, 17 months)
Federal University of Campina Grande - Campina Grande, Paraíba, Brazil
- ○ Analytics Training Program sponsored by Hewlett-Packard (HP) Brazil
- ○ Supervisor: Nazareno Andrade, nazareno@computacao.ufcg.edu.br
- ○ Technical skills: R, Python, Data Visualization, Statistics

Assistant Researcher (March 2011 - February 2012, 12 months)
Laboratory of Distributed Systems - Campina Grande, Paraíba, Brazil
- ○ Sponsored by National Counsel of Technological and Scientific Development (CNPq)
- ○ Supervisor: Francisco Brasileiro, fubica@dsc.ufcg.edu.br
- ○ Technical skills: e-Science, Peer-to-Peer Systems, Grid Computing

Achievements

Academic Achievement Awards
○ _Award of MSc. with Distinction_ (2011) granted by the Federal University of Campina Grande (UFCG).
○ _Award of second best overall academic performance in the B.Sc. (2008)_ granted by the Pontifical Catholic University of Minas Gerais (PUC Minas).

Research Achievement Awards
○ _Best Master Thesis - Finalist (one of 10) in Brazil (2011)_ granted by the Brazilian Computer Society at the XXV Thesis Competition.
○ _Best paper and presentation award_ granted by the XXVIII Brazilian Symposium on Computer Networks and Distributed Systems (SBRC 2010)
○ _Honorable Mention in the undergraduate research contest (2007_) at the joint conferences XIX Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2010) and VIII WSCAD-SSC

Selected Influential Journal Publications

Ponciano, Lesandro; Brasileiro, Francisco. "Agreement-based credibility assessment and task replication in human computation systems." _Future Generation Computer Systems_ 87 (2018): 159-170. DOI:https://doi.org/10.1016/j.future.2018.05.028

Ponciano, Lesandro; Brasileiro, Francisco; Simpson, Robert; Smith, Arfon. Volunteers' Engagement in Human Computation for Astronomy Projects. _Computing in Science & Engineering_, v. 16, p. 52-59, 2014. DOI: https://doi.org/10.1109/MCSE.2014.4

Ponciano, Lesandro; Brasileiro, Francisco. Finding Volunteers' Engagement Profiles in Human Computation for Citizen Science Projects. _Human Computatio_n, v. 1, n. 1, p. 245-264, 2014. DOI:https://doi.org/10.15346/hc.v1i2.12

Ponciano, Lesandro; Brasileiro, Francisco; Andrade, Nazareno; Sampaio, Lívia. Considering Human Aspects on Strategies for Designing and Managing Distributed Human Computation. _Journal of Internet Services and Applications_, v. 5, p. 1-28, 2014. DOI:https://doi.org/10.1186/s13174-014-0010-4

Ponciano, Lesandro; Brasileiro, Francisco. Assessing Green Strategies in Peer-to-Peer Opportunistic Grids. _Journal of Grid Computing_, v. 11, p. 129-148, 2013. DOI:https://doi.org/10.1007/s10723-012-9218-3

Selected Influential Conference Publications

Ponciano, Lesandro; Pereira, Thiago Emmanuel. "Characterising volunteers' task execution patterns across projects on multi-project citizen science platforms." _Proceedings of the 18th Brazilian Symposium on Human Factors in Computing Systems_. 2019. DOI:https://doi.org/10.1145/3357155.3358441

Ponciano, Lesandro; Barbosa, Pedro; Brasileiro, Francisco; Brito, Andrey; Andrade, Nazareno. "Designing for Pragmatists and Fundamentalists: Privacy Concerns and Attitudes on the Internet of Things." _Proceedings of the XVI Brazilian Symposium on Human Factors in Computing Systems_. 2017. DOI:https://doi.org/10.1145/3160504.3160545

Ponciano, Lesandro, and Francisco Brasileiro. "On the impact of energy-saving strategies in opportunistic grids." _2010 11th IEEE/ACM International Conference on Grid Computing_. IEEE, 2010. DOI:https://doi.org/10.1109/GRID.2010.5698003

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