Paulo Eduardo Rauber

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Interests

Machine learning, information visualization, reinforcement learning, neural networks.

Education

2012– **PhD in Computer Science (in progress)**, *Joint degree at University of Campinas (Brazil) and University of Groningen (Netherlands).*
Supervised by Dr. A.X. Falcão, Dr. A.C. Telea, Dr. P.J. de Rezende, and Dr. J.B.T.M. Roerdink.

2008–2011 **BSc in Computer Science**, *Federal University of Santa Catarina (Brazil).*

Publications (selected)

2017 P. E. Rauber, Samuel G. Fadel, A. X. Falcão, and A. C. Telea, *"Visualizing the Hidden Activity of Artificial Neural Networks"*, IEEE Transactions on Visualization and Computer Graphics (Proceedings of the Visual Analytics Science and Technology 2016), Jan. 2017.

2016 P. E. Rauber, A. X. Falcão, and A. C. Telea, *"Visualizing Time-Dependent Data Using Dynamic t-SNE"*, in Proceedings EuroVis Short Papers 2016. *Honorable mention.*

2013 P. E. Rauber, A. X. Falcão, T. V. Spina, and P. J. de Rezende, *"Interactive Segmentation by Image Foresting Transform on Superpixel Graphs"*, in Workshops of SIBGRAPI 2013, E. J. Y. C. C. Alex Cuadros-Vargas, Ed., Arequipa, Peru.

Students

2016 J.F. Kruiger, *"Graph Layouts by t-Distributed Stochastic Neighbour Embedding"*, MSc thesis, University of Groningen, Netherlands, 2016. Supervisors: Dr. A.C. Telea and P.E. Rauber.

2015 F. Heikamp, *"Comparison of Feature Selection Techniques in Real and Synthetic Data"*, BSc thesis, University of Groningen, Netherlands, 2015. Supervisors: Dr. A.C. Telea and P.E. Rauber.

2015 S. Feringa, *"Comparison of Features Used in Automatic Skin Lesion Classification"*, MSc thesis, University of Groningen, Netherlands, 2015. Supervisors: Dr. A.C. Telea and Dr. M.H.F. Wilkinson. Advisor: P.E. Rauber.

Skills

Languages Portuguese and English.

Programming Python, C++ (GNU/Linux).

Personal

Born 1989, Brazil.