Paola Llerena **Valdivia**

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Education

University of São Paulo São Carlos, SP, Brazil
Ph.D. Computer Science *December, 2013 - Present*

- Research project: Wavelet-based visualization of time-varying data on graphs.
- Cumulative GPA: 4
- Expected graduation: April, 2018

University of São Paulo São Carlos, SP, Brazil
M.Sc. Computer Science *August, 2011 - November 2013*

- Dissertation title: Normal correction towards smoothing point-based surfaces.
- Cumulative GPA: 4

San Pablo Catholic University Arequipa, Peru
B.S. Computer Science *March, 2005 - August, 2010*

- Coursework project: Fluid simulation using SPH, Computer graphics.
- Cumulative GPA: 3.71 (top student in class)

Publications

- **Valdivia, P.**, Dias, F., Petronetto, F., Silva, C. T., and Nonato, L. G. (2015, October). *Wavelet-based visualization of time-varying data on graphs.* In Visual Analytics Science and Technology (VAST), 2015 IEEE Conference on (pp. 1-8). IEEE.

- Col, A. D., **Valdivia, P.**, Petronetto, F., Dias, F., Silva, C. T., and Nonato, L. G. (2017b). *Wavelet-based visual analysis of dynamic networks.* IEEE Transactions on Visualization and Computer Graphics, PP(99):1-1

- Col, A. D., **Valdivia, P.**, Petronetto, F., Dias, F., Silva, C. T., and Nonato, L. G. (2017a). *Wavelet-based visual analysis for data exploration.* Computing in Science Engineering, 19(5):85-91

- Dias, F., Mansour, M. R., **Valdivia, P.**, Cousty, J., and Najman, L. (2017, May). *Watersheds on Hypergraphs for Data Clustering.* In International Symposium on Mathematical Morphology and Its Applications to Signal and Image Processing (pp. 211-221). Springer, Cham.

- **Valdivia, P.**, Cedrim, D., Petronetto, F., Paiva, A., and Nonato, L. G. (2013, August). *Normal Correction towards Smoothing Point-Based Surfaces.* In Graphics, Patterns and Images (SIBGRAPI), 2013 26th SIBGRAPI-Conference on (pp. 187-194). IEEE.

Posters

- **Valdivia, P.**, Buono, P., and Fekete, J.-D. (2017). *Hypenet: Visualizing Dynamic Hypergraphs.* In Puig, A. P. and Isenberg, T., editors, EuroVis 2017 - Posters. The Eurographics Association.

- Dimara, E., **Valdivia, P.**, and Kinkeldey, C. (2017). *DcPAIRS: A Pairs Plot Based Decision Support System.* In Puig, A. P. and Isenberg, T., editors, EuroVis 2017 - Posters. The Eurographics Association.

Professional experience

Visiting PhD Student   Ile-de-France, France
- INRIA Unité de Recherche Saclay   August 2016 - July 2017
Supervisor: Jean-Daniel Fekete

Visiting PhD Student   NY, USA
- New York University   November 2015
Supervisor: Dr. Claudio Silva

Software Developer   Arequipa, Peru
- Peru Credit Bank (BCP)   August 2010 - July 2011

University Activities

- **University of São Paulo**   São Carlos
Teacher assistant, Algorithms and Data Structures   *July 2015 - December 2016*
- **University of São Paulo**   São Carlos
Teacher assistant, Programming languages and compilers   *February 2015 - June 2015*
- **University of São Paulo**   São Carlos
Volunteer teacher assistant, Introduction to computer science 2   *July 2014 - November 2014*
- **University of São Paulo**   São Carlos
Volunteer teacher assistant, Numerical methods   *July 2012 - November 2012*
- **University of São Paulo**   São Carlos
Teacher assistant, Object oriented programming   *February 2013 - June 2013*
- **University of São Paulo**   São Carlos
Volunteer teacher assistant, Introduction to Computer Science II   *February 2013 - June 2013*
- **San Pablo Catholic University**   Arequipa, Peru
Teacher Assistant   *August 2007 - July 2008*

Software contributions

- **Networkcube**. Improvement of the matrix visualization of networks in this system.
Available at: http://networkcube.net/

Professional Activities

- **Student Volunteer**, IEEE VIS 2015

- Organization of the VII Computer Graphics and Image Processing Peruvian Symposium (SCGI-2013)

- Reviewer, CLEI 2015 - SLCGRVPI

- Reviewer, SIBGRAPI 2012

- Reviewer, SIBGRAPI 2012 WUW

Computer Skills

Programming: JavaScript, Python, C/C++, Matlab, R, TypeScript, Java.

Frameworks: React, AngularJS, Angular 2.

Systems: UNIX (Linux and OS X), Windows

Foreign Language Skills

Spanish: Native.

English: Reading (Advanced), Writing (Intermediate), Speaking (Intermediate).

Portuguese: Reading (Advanced), Writing (Intermediate), Speaking (Intermediate).

French: Reading (Basic), Writing (Basic), Speaking (Basic).

References

Dr Luis Gustavo Nonato gnonato AT icmc.usp.br
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Dr Jean Daniel Fekete Jean-Daniel.Fekete AT inria.fr
AVIZ Team Leader, INRIA +55163373-9697
INRIA Unité de Recherche Saclay - Île-de-France

Dr Paolo Buono paolo.buono AT uniba.it
Assistant Professor +39 080544 2239
Università degli Studi di Bari Aldo Moro

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