

Stefanie Wuhrer

Short CV

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Morpheo Team
INRIA Grenoble Rhône-Alpes

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Education

- 2006–2009 Ph.D. Computer Science, Carleton University, Ottawa, Canada
Title of Thesis: *Matching and Morphing of Isometric Models*
Supervisors: Prosenjit Bose, Chang Shu
Awarded Senate Medal for Outstanding Academic Achievement.
- 2005–2006 Master Computer Science, Carleton University, Ottawa, Canada
Title of Thesis: *Clamshell Casting!*
Supervisors: Prosenjit Bose, Pat Morin, Michiel Smid
Awarded Senate Medal for Outstanding Academic Achievement.
- 2000–2005 Diplom-Mathematik (FH), University of Applied Sciences Stuttgart, Germany
Awarded Joseph-von-Egle Prize for Distinct Graduation.

Academic Positions

- Feb. 2015–Present *Chargée de Recherche*, Morpheo team, INRIA Grenoble Rhône-Alpes, France
- Aug. 2011–Jan. 2015 *Independent Research Group Leader*, Cluster of Excellence Multimodal Computing and Interaction, Saarland University, Germany
From October 2013 to January 2015, my group was an associated research group within the Max-Planck-Center for Visual Computing and Communication, Max-Planck Institut Informatik, Germany
- May 2009–Jun. 2011 *Research Associate*, Institute for Information Technology, National Research Council of Canada

Research Grants

- 2014 – 2016 Project *Joint Correspondence Computation and Statistical Analysis of Geometric Models of Human Faces and Bodies* funded by the German Research Foundation. Funding for one Ph.D. position for 24 months.
As I moved to France, starting February 2015, the project was officially managed by Joachim Weickert.

Teaching Experience (Selection)

Lectures

- *3D Graphics*, taught with Franck Hétroy-Wheeler (Grenoble INP Ensimag: spring 2016)
- *Algorithms and Data Structures*, taught with Raimund Seidel (Universität des Saarlandes: WS 2013/14)
- *Grundzüge von Algorithmen und Datenstrukturen*, taught with Raimund Seidel (Universität des Saarlandes: WS 2013/14)
- *Dynamic Geometry Processing*, taught with Michael Wand (Universität des Saarlandes: WS 2012/13)

Seminars

- *Scientific Writing*, taught with Tino Weinkauff (Universität des Saarlandes: SS 2013)
- *Geometry of Non-Rigid Shapes* (Universität des Saarlandes: SS 2013, WS 2011/12)
- *Statistical Shape Analysis* (Universität des Saarlandes: SS 2012)

Ph.D. Student Supervision

- Abdullah-Haroon Rasheed (Ph.D. student since Nov. 2017) (Co-supervisors: Florence Bertails-Descoubes, Jean-Sébastien Franco)
- Victoria Fernández Abrevaya (Ph.D. student since Oct. 2016) (Co-supervisor: Edmond Boyer)
- Jinlong Yang (Ph.D. student since Oct. 2015) (Co-supervisor: Franck Hétroy-Wheeler)
- Aurela Shehu (Ph.D. student since Apr. 2013)
- Timo Bolkart (Ph.D. student Jan. 2012–Jun. 2016, graduated from Saarland University)

Invited Research Workshops (Selection)

- Workshop on Geometry and Geometric Graph Theory, Holetown, Barbados, 2013–2015
- Seminar on Real-World Visual Computing, Dagstuhl, Germany, 2013
- Carleton / Econiche Discrete and Computational Geometry Workshop, Gatineau, Canada, 2009–2010
- Seminar on Geometric Networks, Metric Space Embeddings and Spatial Data Mining, Dagstuhl, Germany, 2009

Service to the Scientific Community (Selection)

Organization

Seminar on New Perspectives in Shape Analysis, Dagstuhl, Germany, February 9–14, 2014.
Co-organized with M. Breuß, A. Bruckstein, and P. Maragos.

Program Committee member

- CVPR 2017
- Eurographics short-paper track 2015, 2014
- ECCV Workshop on Non-Rigid Shape Analysis and Deformable Image Alignment 2014
- SIGGRAPH Asia Courses 2014
- Symposium on Computational Geometry 2014

Reviewed papers for the following journals

Algorithmica, Computational Geometry: Theory and Applications, Computers & Graphics, Graphical Models, IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Visualization and Computer Graphics, International Journal of Computer Vision

Reviewed papers for the following conferences and workshops

Conference on Computer Vision and Pattern Recognition, European Conference on Computer Vision, International Conference on Computer Vision, International Symposium on Algorithms and Computation, SIGGRAPH Asia, Symposium on Computational Geometry, Symposium on Discrete Algorithms

Some Recent Publications

- J. Yang, J.-S. Franco, F. Hétroy-Wheeler, S. Wuhler. Estimation of Human Body Shape in Motion with Wide Clothing. European Conference on Computer Vision (ECCV), 2016.
- T. Bolkart, S. Wuhler. A Robust Multilinear Model Learning Framework for 3D Faces. Conference on Computer Vision and Pattern Recognition (CVPR), 2016.
- P. Kamousi, S. Lazard, A. Maheshwari, S. Wuhler. Analysis of Farthest Point Sampling for Approximating Geodesics in a Graph. Journal on Computational Geometry Theory and Applications (CGTA), 57:1–7, 2016.
- T. Bolkart, S. Wuhler. A Groupwise Multilinear Correspondence Optimization for 3D Faces. International Conference on Computer Vision (ICCV), 2015.
- A. Brunton, T. Bolkart, S. Wuhler. Multilinear Wavelets: A Statistical Shape Space for Human Faces. European Conference on Computer Vision (ECCV), 2014.