

Mario Teixeira Parente

Academic CV

Boltzmannstraße 3
85748 Garching near Munich
Germany
✉ parente@ma.tum.de
🌐 tiny.cc/mparente-tum

Education

- 10/2016 - now *Technical University of Munich (TUM)*
Mathematics (Ph.D.)
PhD Thesis Algorithms in Uncertainty Quantification
- 10/2013 - 04/2016 *Ludwig-Maximilians-Universität Munich (LMU)*
Mathematics (M.Sc.)
Master Thesis Brownian Motion and the Dirichlet Problem
- 10/2010 - 09/2013 *University of Applied Sciences Munich (HM)*
Scientific Computing (B.Sc.)
Bachelor Thesis N.V. Krylov's Proof of the de Moivre-Laplace Theorem



Scholarships

- 04/2012 - 05/2016 **German Academic Scholarship Foundation** (Studienstiftung des deutschen Volkes)
04/2012 - 04/2016 **Max Weber-Program of the State of Bavaria** (Max Weber-Programm Bayern)
10/2011 - 03/2012 **Deutschlandstipendium**

Teaching

- Winter 2017/18 **Introduction to Numerical Linear Algebra**, *Tutor*, TUM
Summer 2017 **Introduction to Programming**, *Tutor*, TUM
Summer 2017 **Hauptseminar: Uncertainty Quantification with Efficient Monte Carlo Methods**, TUM
Winter 2015/16 **Stochastics**, *Tutor*, LMU
Winter 2014/15 **Analysis I**, *Tutor*, LMU
Winter 2011/12 **Linear algebra and Software engineering**, *Tutor*, HM

Talks

- 07/2017 **Active Subspaces**, *Reading Group UQ*, TUM
05/2017 **Ensemble Kalman methods for inverse problems**, *Reading Group UQ*, TUM
08/2016 **Brownian Motion and the Dirichlet Problem**, *Oberseminar Simulation and Uncertainty Quantification*, TUM

Trainings

- 02/2017 **Advanced C++ with Focus on Software Engineering**, Regionales RechenZentrum Erlangen (RRZE)
03/2017 **Parallel Programming of High Performance Systems**, Leibniz Computing Centre (LRZ)

Experience

- 06/2016 - 09/2016 **Student Assistant**, HM, Research project: Modeling and simulation of pedestrian movement
- 04/2016 - 05/2016 **Research Internship**, Yale University (USA), Image processing of nanoscopic images in cell biology
- 10/2012 - 11/2013 **Student Assistant**, HM, Research project: Modeling and simulation of pedestrian movement

A handwritten signature in blue ink, reading "M. Teixeira Pereira". The signature is fluid and cursive, with the first letter 'M' being large and stylized.

Munich, October 31, 2017