

MEIRE FORTUNATO

PERSONAL INFORMATION

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office 1047 Evans Hall (UC Berkeley)
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INTERESTS

Applied Mathematics, Numerical Analysis, Generation of high-order meshes, High-order methods. Machine Learning.

EDUCATION

- **University of California, Berkeley, CA** 2010-present
Ph.D. student in the Mathematics department
- **State University of Campinas (UNICAMP), Campinas, SP, Brazil** 2008-2010
Master degree in Mathematics
- **State University of Campinas (UNICAMP), Campinas, SP, Brazil** 2004-2007
Bachelor degree in Mathematics (honors)

AWARDS

- Fulbright scholarship (2010-2014)
- UC Berkeley 2013-14 Outstanding Graduate Student Instructor Award
- Best Technical Poster Award - 24th International Meshing Roundtable

PAPERS

- M. Fortunato and P-O Persson, "High order unstructured curved mesh generation using the Winslow equations" – Journal of Computational Physics (JCP 2015)
- O. Vinyals, M. Fortunato and N. Jaitly, "Pointer Networks", Neural Information Processing Systems (NIPS 2015)

CONFERENCE TALKS

- 24th International Meshing Roundtable, Austin, Texas, October 2014. Title: "Recurrent Neural Networks for Geometric Problems"
- 11th World Conference on Computational Mechanics WCCM XI - ECCM V - ECFD VI, Barcelona, Spain, July 2014. Title: "High order unstructured curved mesh generation using the Winslow equations"
- International Conference on Spectral and High Order Methods, June 2014, Salt Lake City - Utah. Title: "High order unstructured curved mesh generation using the Winslow equations"

- Bay Area Computational Mechanics Festival (COMPFEST 2013). Title: “Curved Mesh Generation: Finite Elements + Winslow Equations”

GRADUATE STUDENT RESEARCH APPOINTMENTS

- Summer 2015 - Sponsor: University of California, Berkeley
- Spring 2015 - Sponsor: Lawrence Berkeley National Laboratory
- Summer 2014 - Sponsor: Lawrence Berkeley National Laboratory
- Fall 2013 - Sponsor: Lawrence Berkeley National Laboratory
- Summer 2013 - Sponsor: Lawrence Berkeley National Laboratory

RELEVANT COURSEWORK

- Math 228A: Numerical Solutions of Differential Equations (Part A)
- Math 228B: Numerical Solutions of Differential Equations (Part B)
- Math 222A: Partial Differential Equations (Part A)
- Math 222B: Partial Differential Equations (Part B)
- Math 220: Stochastic Methods in Mathematics and science
- CS 294-73: Software Engineering for Scientific Computing
- Machine Learning (Coursera class with Andrew Ng)

OTHER INFORMATION

- **Programming Languages:**

Python · C++

- **Applications:**

MATLAB · L^AT_EX

- **Languages:**

PORTUGUESE · Native speaker

ENGLISH · Fluent

SPANISH · Fluent

FRENCH · Intermediate

- **Other interests :**

Rock Climbing · Dancing · Movies · Dogs