

• PERSONAL INFORMATION

Family name, First name: **Rozza, Gianluigi**

Researcher unique identifier: RID: F-5100-2012, **H-index: 16** (according to Scopus)

Date of birth: 20 April 1977, Place of birth: S. Angelo Lodigiano (Lodi), Italy

Nationality: Italian; URL for web site: <http://people.sissa.it/~grozza>

• EDUCATION

2002 – 2005 **PhD**, *Applied Mathematics* (avec mention), École Polytechnique Fédérale de Lausanne, Switzerland. PhD advisor: Prof. Alfio Quarteroni.

1996 – 2002 **Master of Science**, *Aerospace Engineering* (100/100 cum laude), Politecnico di Milano, Italy.

• CURRENT POSITIONS

2014 – present **Associate Professor with Tenure** of Numerical Analysis and Scientific Computing. SISSA mathLab, Mathematics Area, SISSA – International School for Advanced Studies, Trieste, Italy.

• PREVIOUS POSITIONS

2012 – 2014 **SISSA Research Excellence Grant for independent research NOFYSAS** (New Opportunities For Young Scientists at SISSA). SISSA mathLab, Mathematics Area, SISSA – International School for Advanced Studies, Trieste, Italy. **Lecturer** in the PhD program in Mathematical Analysis, Modelling and Applications.

2008 – 2012 **Researcher and Lecturer** (and external scientific collaborator 2012 – 2015). EPFL – École Polytechnique Fédérale de Lausanne, Switzerland, Doctoral School of Mathematics and Section of Mathematics.

2006 – 2008 **Post Doctoral Associate Researcher** (and Research Affiliate 2008 – 2014). MIT – Massachusetts Institute of Technology, Boston MA, USA, Department of Mechanical Engineering and Center for Computational Engineering, Prof. A.T. Patera.

2002 – 2006 **Research Assistant**. EPFL – École Polytechnique Fédérale de Lausanne, Switzerland, Chair of Modelling and Scientific Computing.

• FELLOWSHIPS AND AWARDS

2014 **ECCOMAS (European Community on Computational Methods in Applied Sciences): Jacques Louis Lions Award for Young Scientists in Computational Mathematics**, awarded at WCCM-ECCM-ECFD 2014 Conference in Barcelona, Spain, July 21, 2014.

2009 **Springer CSE: Computational Science and Engineering Prize by Springer-Verlag**, awarded with Dr. D.B.P. Huynh and Dr. N.C. Nguyen for developing the software library rbMIT for real-time computing in computational mechanics.

2006 **Special mention, Research Commission of EPFL for PhD Theses**: ranked in the best 4% of the PhD theses (~ 250) discussed in 2005 at EPFL.

2006 **ECCOMAS (European Community on Computational Methods in Applied Sciences) Ph.D Award** for the best Ph.D Thesis in Computational Science and Engineering of 2005, awarded at ECFD 2006 Conference, Netherlands.

2004 **Bill Morton CFD Prize**, for young researchers under 31, given every three years by Computational Fluid Dynamics Institutes and Computing Laboratories of Oxford and Reading Universities (UK), International Conference ICFD, St. Cathrine College, Oxford, UK.

• FUNDING RECORD

PI/Co-PI in 4 scientific projects at Swiss National Science Foundations (2005-2006, 2009-2011, 2011-2013, 2012-2015) funding 4 PhD students (132 months) and 1 post-doctoral grant (12 months), Tot. 350 k€. Independent Research grant NOFYSAS 2012-2014 (New Opportunities for Young Scientists at SISSA), Tot. 100K€. Horizon 2020, European Research Council, Consolidator Grant, AROMA-CFD, 2016-2021, Tot. 1,657M€.

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2004 – 2016 13 Master students co-supervised at Politecnico di Milano, 1 at EPFL, 1 at RWTH-Aachen, 1 at University of Pavia, 1 at TU Delft, 2 undergoing at SISSA

2009 – 2016 4 PhD students at EPFL, 3 at Politecnico di Milano, 1 at University of Stuttgart. Undergoing: 1 Phd, 1 Post-doc and 3 research projects assistants at SISSA

• TEACHING ACTIVITIES

- 2013 – present **Lecturer, three PhD courses** on Numerical Analysis and Scientific Computing (“Introduction to Numerical Analysis and Scientific Computing”, “Topics in Computational Fluid Dynamics”, and “Advanced Topics in Numerical Solution of PDEs”), SISSA – International School for Advanced Studies, Italy. PhD program in Mathematical Analysis, Modelling and Applications, Master in High Performance Computing, and Master degree in Mathematics (in collaboration with University of Trieste).
- 2008 – 2015 **Lecturer, seven summer/special schools** on reduced order methods (UPC Barcelona, Spain, Jan 2015; University of Seville, Spain, Jul 2014; TUM Munich, Germany, Sep 2013; CISM Udine, Italy, Jul 2013; University of Hamburg, Germany, Jul 2012; Cortona, Italy, Jul 2010; CEA-EDF-INRIA, Paris, France, Jun 2008).
- 2009 – 2013 **Lecturer, PhD course** “Computational Mechanics by Reduced Basis Methods”, EPFL – École Polytechnique Fédérale de Lausanne, Switzerland, Doctoral School in Mathematics and Mechanics. **Lecturer of “Analyse Numérique”**, EPFL, School of Engineering.
- 2010 – 2012 **Co-lecturer, PhD course** “Advanced Topics in Numerical Modelling for PDEs”, EPFL – École Polytechnique Fédérale de Lausanne, Switzerland, Doctoral School in Mathematics.

• ORGANISATION OF SCIENTIFIC MEETINGS AND CONFERENCES

- 2015 **Co-Chair** of the international conference on **Model Reduction of Parametrized Systems III (MoRePaS 2015)**, SISSA – International School for Advanced Studies, Trieste, Italy.
- 2009 – present **Minisymposia organizer** at several international conferences (SIAM CSE 13 and CSE 15, ICIAM 2011 and 2015, ICOSAHOM 2009, ECCOMAS ECFD 2010 and 2014, ECCOMAS Congress 2012 and 2016, SIAM UQ16, SIAM AN16, WCCM16, SIMAI 2016).
- 2014 **Chair** of **YS3 INDAM Young Scientists Seminars Series**, SISSA – International School for Advanced Studies, Trieste, Italy.
- 2013 **Organizing and scientific committee, and responsible of the SIAM CSE Career Panel** of the **SIAM conference in Computational Science and Engineering (SIAM CSE13)**, Boston, MA, USA.

• INSTITUTIONAL RESPONSIBILITIES AT SISSA

- 2014 – present **HPC advisory committee, library open access committee and web committee**, SISSA – International School for Advanced Studies, Trieste, Italy (representing Mathematics Area)

• EDITORIAL BOARDS

- 2013 – present Editorial Board, SIAM/ASA Journal on Uncertainty Quantification (associate editor).
- 2014 Guest Editor, ACOM Advanced Computational Mathematics, special issue on model order reduction for parametrized systems.
- 2016 – present Editorial Board, SIAM SINUM Journal of Numerical Analysis (associate editor).

• MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- 2014 – 2018 Member of the Management Committee (National representative for Italy) and Work Group coordinator of the “*European Network on Model Order Reduction (EU-MORNET)*”, Cooperation in Science and Technology (COST) initiative TD 1307.
- 2004 – present Member of SIAM since 2004, SIMAI since 2004, UMI since 2009, EMS since 2011, Italian Engineering National Council since 2004.

• PUBLICATIONS AND CONFERENCES

- 2003 – present Author of 55 publications in peer-reviewed international journals, 20 proceedings, 11 book chapters, editor of 2 books, co-author of 1 book. Invited speaker at 40 international workshops and conferences.