

# Anna Pandolfi - Curriculum Vitae

## 1 General Information

### 1.1 Personal Data

Name: Anna Marina Pandolfi

Birthplace: Como

Citizenship: Italian

Spoken Languages: Italian, English

Working Address: Dipartimento di Ingegneria Civile ed Ambientale, Politecnico di Milano

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### 1.2 Education

- Ph.D. in Mechanics, December 7, 2007  
Laboratoire de Physique et Mécanique des Matériaux (LPMM)  
Université Paul Verlaine de Metz, France  
Thesis Title: “Théories Cohésives de Rupture pour l’Analyse Numérique de l’Endommagement des Matériaux” (Cohesive Theories of Fracture in Numerical Modeling of Material Failure).
- Engineering habilitation (Esame di Stato)  
Politecnico di Milano, Italy, 1984.
- Master of Science in Civil Engineering (Structural Engineering), *Cum laude*, June 14, 1984  
Politecnico di Milano, Italy  
Thesis Title: “Archi in muratura: Analisi numeriche sino a collasso e confronti con risultati sperimentali” (Arches on Masonry: Numerical Failure Analyses and Comparison with Experimental Results)
- High School: Classical Studies, July 1978  
Liceo Classico Alessandro Volta, Como (Italy).

### 1.3 Professional Appointments

- **January 2017–to date**  
Professor of Structural Mechanics, Civil and Environmental Engineering Department (DICA), Politecnico of Milano, Industrial Engineering School.
- **January 2013–to December 2016**  
Associate Professor of Structural Mechanics, Civil and Environmental Engineering Department (DICA), Politecnico of Milano, Industrial Engineering School.
- **January 2008–April 2013**  
Permanent Visiting Associate, Division of Engineering and Applied Sciences, California Institute of Technology, Pasadena, CA, USA.
- **June 11–June 22, 2012**  
Visiting Professor, Laboratoire de Mécanique et Génie Civil, IRSN/CNRS laboratory MIST, Université Montpellier II, Montpellier, France.
- **July 9, 2008 October 8, 2008**  
Chercheur Associé CNRS, at the Laboratoire Soils, Solids, Structures - Risques (3S-R), Institut National Polytechnique de Grenoble.
- **March 2005–August 2005**  
Visiting Associate, Division of Engineering and Applied Sciences, California Institute of Technology, Pasadena, CA, USA.
- **September 2001–December 2012**  
Associate Professor of Structural Mechanics, Structural Engineering Department (DIS), Politecnico of Milano, Industrial Engineering School.
- **March 2001–August 2001**  
Visiting Associate, Division of Engineering and Applied Sciences, California Institute of Technology, Pasadena, CA, USA.
- **September 1996–August 1998**  
Visiting Associate, Division of Engineering and Applied Sciences, California Institute of Technology, Pasadena, CA, USA.
- **July 1995–August 2001**  
Assistant Professor of Structural Mechanics, Politecnico of Milano, Engineering School.
- **January 1989–June 1995**  
Self-Employee, consultant and successively owner of Alphard S.r.l. (software house company specialized in technical and scientific software). Teaching assistant, Politecnico of Milano.
- **October 1987–December 1988**  
Employee, RockSoil S.p.A. Milano, Geotechnical Engineering Company.
- **June 1984–September 1987**  
Research fellow at the Structural Engineering Department of the Politecnico of Milano, awarded with a two-year grant for research and teaching by I.B.M. Italy. Teaching Assistant in Strength of Materials and Soil and Rock Mechanics courses.

## 2 Research Experience

### 2.1 Visiting Periods Abroad

- **2020:** February 18–July 8;  
**2019:** February 15–March 31; August 1–September 1;  
**2018:** March 3–March 31; August 2–September 5;  
**2017:** March 3–April 5; August 1–September 1;  
**2016:** April 12–May 21; August 16–September 5;  
**2015:** March 6–April 30; June 19–28; August 1–29;  
**2014:** March 3–May 8; November 20–30;  
**2013:** February 28–May 4; August 19–September 4;  
**2012:** February 27–May 1; July 19–August 30;  
**2011:** March 1–May 4; July 12–August 26;  
**2010:** March 6–May 1; July 30–August 29;  
**2009:** March 16–April 17; July 13–August 29;  
**2008:** March 5–April 19; August 2–August 29;  
**2007:** March 3–March 24; May 31–June 26, July 26–August 24;  
**2006:** February 28–March 31; June 25–August 30;  
**2005:** February 24–August 31;  
**2004:** March 3–April 5; May 14–June 18;  
**2003:** February 16–March 16; April 22–May 22; July 17–August 31;  
**2002:** February 25–March 26, July 18–August 15;  
**2001:** March 6–August 31;  
**2000:** May 3–June 9; August 1–September 2;  
**1999:** April 1–May 31; July 24–September 6;  
**September 1996–August 1998:**  
Graduate Aerospace Laboratories and Control and Dynamical Systems, California Institute of Technology, Pasadena, CA, USA, Professors Michael Ortiz and Jerrold Marsden.
- **June 23–27, 2014:**  
Robotics Laboratory POSTECH, Pohang University of Science and Technology, South Korea, Professor Wan Kyun Chung.
- **July 1–2, 2014;**  
**February 18–20, 2013;**  
**May 7–9, 2012;**  
**June 17–23, 2009;**  
**September 20–26, 2009:**  
Institut für Mechanik und Regelungstechnik, Universität Siegen, Germany, Professor Kerstin Weinberg.
- **June 11–22, 2012:**  
Laboratoire de Mécanique et Génie Civil, IRSN/CNRS laboratory MIST, Université de Montpellier, France, Professor Stephane Pagano.
- **May 24–25, 2012:**  
University of Newcastle, NSW, Australia Professor Kristian Krabbenhoft.
- **May 11–22, 2009:**  
Dipartimento de Matematica Aplicada III, Universitat Politècnica de Catalunya, Barcelona, Spain, Professor Irene Arias.
- **April 26–May 2, 2009:**  
Fakultät Bauingenieurwesen, Technische Universität Dresden, Germany, Professor Michael Kaliske.

- **July 9, 2008–October 8, 2008:**  
Laboratoire Soils, Solids, Structures - Risques (3S-R), Institut National Polytechnique de Grenoble, Professor Benjamin Loret.
- **August 26–31, 2007:**  
School of Engineering, Durham University, UK, Professor Roger Crouch.
- **January 27–February 3, 2006:**  
Royal Institute of Technology of Stockholm, Sweden, Professor Gerhard A. Holzapfel.
- **September 29–30, 2005:**  
Institute of Structural Mechanics, Universität of Stuttgart, Germany, Professor Ekkehart Ramm.
- **September 26–28, 2005:**  
Technische Universität Kaiserslautern, Germany, Professor Paul Steinmann.
- **June 16–21, 2002:**  
Mathematisches Institut der Universität Köln, Germany, Professor Friedemann Schuricht.

## 2.2 Short Visits to Italian Scientific Institutions

- **January 25–27, 2011:**  
Università del Salento, Dipartimento di Ingegneria dell’Innovazione, Professor Gaetano Napoli.
- **December 9–10, 2010:**  
Università di Salerno, Dipartimento di Ingegneria Civile, Professor Maurizio Angelillo.
- **June 10–12, 2009:**  
Università del Salento, Dipartimento di Ingegneria dell’Innovazione, Professor Gaetano Napoli.
- **April 16–17, 2007:**  
Università di Ferrara, Dipartimento di Ingegneria, Professor Giampietro Del Piero.
- **October 20–21, 2005:**  
Università di Trento, Dipartimento di Ingegneria Meccanica e Strutturale, Professor Davide Bigoni.
- **November 16–17, 2004:**  
Università di Salerno, Dipartimento di Ingegneria Civile, Professor Maurizio Angelillo.
- **September 6–7, 2004:**  
Università di Trento, Dipartimento di Ingegneria Meccanica e Strutturale, Professor Walter Drugan (Visiting Professor a Trento).
- **February 2–3, 2004:**  
CNR, Pisa, dottor Alessandro Fortunelli.
- **November 28–29, 2001; November 20–21, 2003:**  
CRS4, Pula CA, ingegner Giorgio Fotia.

## 2.3 Scientific Associations and Committees

- Member of **EUROMECH COUNCIL** for Solids, 2016-2021.
- Coordinator, Scientific Committee of **GIMC** (AIMETA Italian Computational Mechanics Group), June 2016–September 2019.
- General Assembly member of **IACM** (International Association of Computational Mechanics), since 2016.

- Committee member of **ESIS TC5** (European Structural Integrity Society, “Dynamics of fracture and structural transformations”), since January 2015.
- National coordinator of the **SNSdC** (National Secretariat of Structure and Materials Mechanics), 2014–2017.
- Conference Committee member of **EUROMECH EMMCC** (European Mechanics of Materials Conference), since January 2012.
- Scientific Committee member of **GIMC** (AIMETA Italian Computational Mechanics Group), October 2013–June 2016.
- Coordination Committee member **SISCO**, Societa’ Italiana di Scienza delle Costruzioni, 2018–2021.
- Founding member **SISCO**, Societa’ Italiana di Scienza delle Costruzioni, 2017.
- Founding member **ISHO**, International Society of High-Tech in Ophthalmology, 2016.
- Member **ASME**, American Society of Mechanical Engineering, since 2018.
- Member **SES**, Society of Engineering Science, since 2016.
- Member **ESB**, European Society of Biomechanics, since 2011.
- Member **GNFM**, Italian Group of Physics and Mathematics, since 2008.
- Member **EUROMECH**, European Mechanics Society, since 2003.
- Member **GIMC** (AIMETA Italian Computational Mechanics Group), since 2001.
- Member **AIMETA**, Italian Association of Theoretical and Applied Mechanics, since 2001.

## 2.4 Evaluation Committee Member

- Assistant Professor Position, Università di Cagliari, June 2020.
- Professor Position, Università di Napoli, April 2020.
- Assistant Professor Position, Università di Brescia, November 2019.
- Associate Professor Position, Università di Napoli Federico II, November 2019.
- Assistant Professor Position, Università di Cagliari, October 2019.
- Associate Professor Position, Politecnico di Milano, October 2019.
- Associate Professor Position, Scuola Internazionale di Studi Superiori Avanzati, SISSA, May 2019.
- Associate Professor Position, Università di Firenze, May 2019.
- Assistant Professor Position, Università di Trento, Febbraio 2019.
- Assistant Professor Position, Università Campus Biomedico di Roma, November 2018.
- Professor Position, Università di Napoli Federico II, October 2018.
- Professor Position, Politecnico di Torino, January 2018.
- Junior Assistant Professor Position, Università di Dalmine, September 2017.
- Professor Position, Università di Napoli Federico II, July 2017.
- Professor Position, Università di Pisa, July 2017.

- Professor Position, Politecnico di Torino, June 2017.
- Admission to the PhD studies in Structural, Earthquake and Geotechnical Engineering, Polimi, July 2011.
- Jury de évaluation de candidature à l'Habilitation à Diriger les Recherches, Mr. Yann Monerie, Institut de Radioprotection et de Sécurité Nulcléaire, Cadarache, France, September 27, 2010.
- Confirmation to Associate Professor Position, Politecnico di Torino, March 2010.
- Confirmation to Associate Professor Position, Università di Parma, March 2009.
- Assistant Professor Position, Università di Udine, October 2008.
- Confirmation to Associate Professor Position, Università di Roma II Tor Vergata, November 2006.
- Assistant Professor Position, Politecnico di Torino, June 2006.
- Admission to the PhD studies in Structural, Earthquake and Geotechnical Engineering, Polimi, November 2005.
- Admission to the PhD studies in Structural Engineering, Polimi, January 2002.
- Assistant Professor Position, Università di Brescia, October 2000.

## 2.5 Other Activities

- Organization of the Memorial meeting “Un ricordo di Osvaldo De Donato”, Politecnico di Milano, November 18, 2009.
- Teaching Committee member, Structural Engineering Department of the Politecnico di Milano, 2002–2005.
- Responsible of the development and maintenance for the Polimi Structural Engineering Department WEB pages 2002–2012.
- Responsible of the Computational Laboratory of the Polimi Structural Engineering Department, 2001–2006.