

ANTOINETTE TORDESILLAS

Education

- 1988-1992 PhD (Thesis in Solid Mechanics: Mathematical Approaches to Cylindrical Elastostatic Contact Problems with Applications in Roller Coating Technology), Univ. of Wollongong, Australia
- 1991 University of Nottingham, British Council PhD Fellowship(Undertaken as part of PhD research: Multibody Elastostatic Contact Problems), United Kingdom
- 1987 Bachelor of Science-Honours, Applied Mathematics (Thesis in Fluid Mechanics: Industrial Hot-Dip Galvanizing: An Analysis of Continuous Coating with Jet-Stripping), University of Adelaide, Australia
- 1986 Bachelor of Science, Majoring in: Applied Mathematics, Physical and Inorganic Chemistry, University of Adelaide, Australia

Employment

- 2016- Professor, School of Mathematics & Statistics, Univ. of Melbourne, Australia
- 2016- Professor in Geomechanics, School of Earth Sciences, Univ. of Melbourne, Australia
- 2013-2015 Adjunct Professor, Department of Physics, Duke University, USA
- 2013-2015 Associate Professor of Geomechanics, School of Earth Sciences, Univ. of Melbourne, Australia
- 2012 Associate Dean-International and Engagement, Faculty of Science, Univ. of Melbourne, Australia
- 2011 Associate Dean-International, Faculty of Science, Univ. of Melbourne, Australia
- 2007-2015 Associate Professor and Reader, Dept. of Mathematics & Statistics, Univ. of Melbourne, Australia
- 2002-2006 Lecturer C, Dept. of Mathematics & Statistics, University of Melbourne, Australia
- 2000-2001 Lecturer B, Dept. of Mathematics & Statistics, University of Melbourne, Australia
- 1996-1999 Senior Tutor, Dept. of Mathematics & Statistics, University of Melbourne, Australia
- 1995-1996 Adjunct Research Professor, Dept. of Mechanical Engineering, Kansas State Univ. USA
- 1994-1996 Instructor, Dept. of Mathematics, Kansas State University, USA
- 1993-1994 Tutor, Academic Support Services, University of Colorado at Boulder, USA
- 1991 British Council Research Fellow, Dept. of Theoretical Mechanics, Univ. of Nottingham, UK
- 1987 Senior Tutor, Weerona Hall, University of Wollongong, Australia

Recent Honours

- 2016 Keynote lecture, The Gordon Research Conference on Granular Matter
- 2015 Australian Academy of Science, Elizabeth & Frederick White Conference Award on Data Analytics & Geological Failure Prediction
- 2015 Keynote lecture, IEEE International Workshop on Complex Systems and Networks
- 2014 Appointed to the Editorial Advisory Board, Cogent Mathematics
- 2014 Interdisciplinary Research Award, University of Melbourne on “Small Needles, Big Haystacks, and a Smart Comb: Integrating Network Theory and Mass Spectrometry to Improve Pharmaceutical Development”
- 2013 Appointed to the Editorial Advisory Board, Mathematics & Mechanics of Complex Systems
- 2013 Australian Mathematical Sciences Institute (AMSI) award to convene an international workshop on “Understanding sustainability in a dynamic earth” as part of the worldwide initiative under the patronage of UNESCO *Mathematics of Planet Earth*
- 2013 Elected Secretary, Governing Board, Association pour L'Etude de la Micromecanique des Milieux Granulaires.
- 2013 Keynote lecture, US Statistical and Applied Mathematical Science Institute (SAMSI) on Dynamics of Seismicity, Earthquake Clustering and Patterns in Fault Networks

Selected Awards

- 2000 JH Michell Medal for distinguished research in Applied Mathematics awarded by the Australian and New Zealand Industrial and Applied Mathematics Society
- 2000 Australian Academy of Science Visiting Fellowship to NASA JFK Space Centre and US Army Engineering Research & Development Centre
- 1988-1991 BHP Steel & The University of Wollongong Inaugural Postgraduate Scholarship Award in Industrial Engineering