

EDUCATION

- **Stanford University**, Stanford, California. Department of Civil and Environmental Engineering.
 - *Ph.D.*, Adviser: Thomas JR Hughes (GPA = 3.97/4.00), **Jan 2005**
 - *M.S.*, Geomechanics Program, Adviser: Ronaldo I Borja (GPA = 4.00/4.00) **June 2001**
- **University of Buenos Aires**, Buenos Aires, Argentina.
 - *Civil Engineer Laurea (with Honors)*, Adviser: Eduardo Nuñez (GPA = 8.15/10.00), **Sept 1998**

FELLOWSHIPS, AWARDS AND HONORS

- **John Curtin Distinguished Professor**, 2017–2022
 - Curtin University, Australia.
- **Highly Cited Researcher, Computer Science**, 2017-present
 - Clarivate Analytics
- **Professorial Chair in Computational Geoscience**, 2016–2021
 - WASM, Curtin University & CSIRO, Commonwealth Scientific and Industrial Research Organisation, Australia.
- **Highly Cited Researcher, Computer Science**, 2013-2016
 - Academic Ranking of World Universities / Shanghai Jiao Tong University and Thomson Reuters
- **Los Andes University**, Bogotá, Colombia. Summer School International Lecture, 2010 and 2012.
- **Texas A&M University**, College Station, Texas, USA. IAMCS Visiting Professor Award, 2010-2011
- **Uni of Texas at Austin**, Austin, Texas, USA. J. Tinsley Oden Faculty Research Fellowship, 2010, 2012 & 2017-18.
- **Stanford University**, Stanford, CA. Eng School Grad Fellowship, 1999-2001, CEE Dept Graduate Fellowship, 1999-2001, Nancy Grant Chamberlain Memorial Scholarship, 1999-2001, & various Community Service Awards.
- **University of Buenos Aires**, Faculty of Engineering, Buenos Aires, Argentina, 1998. Diploma of Honor and Department of Mechanics and Stability, Outstanding Civil Engineering Thesis.

RELEVANT ACADEMIC EXPERIENCE

- **Curtin University**, Perth, Australia, Applied Geology Dept, Faculty Science & Eng, *Professor* **Feb 2016 - pres**
- **King Abdullah University of Science and Technology**, Jeddah, Saudi Arabia.
 - Applied Mathematics & Computational Science and Earth Science & Engineering*
 - *Associate Professor* **July 2013 - Feb 2016**, *Assistant Professor* **Sept 2009 - June 2013**
- **University of Buenos Aires**, Buenos Aires, Argentina. Engineering Faculty. *Visiting Professor* **Dec, 2016**
- **Texas A&M University**, College Station, Texas. Math Dept. *Visiting Professor* **June-Aug, 2015**
- **Los Andes University**, Bogotá, Colombia. Mechanical Eng Department. *Visiting Professor* **July-Aug. 2012**
- **Texas A&M University**, College Station, Texas. IAMCS. *Visiting Professor* **Dec 2010 - May 2011**
- **Los Andes University**, Bogotá, Colombia. Civil Engineering Department. *Visiting Professor* **June 2010**
- **University of Texas at Austin**, Austin, Texas. ICES *Visiting Professor* **Sept 2008 - Aug 2009**

RELEVANT PROFESSIONAL ACTIVITIES

- Selected Staff and Student Supervision
 - **Research scientists:** six; **Postdoctoral fellows:** eighteen (three presently)
 - **Students: PhD:** twelve (seven completed; five presently); **MSc:** eight (four with thesis)
- Research Funding and Support (Principal and Co-Principal Investigator, Total funding over AU\$41.5M since 2009)
 - Co-PI, **ARC Training Centre** for Transforming Maintenance Through Data Science, AU\$6.9M grant **2018-2022**
 - Co-PI, **Horizon 2020 Funding, European Commission**, Marie Curie RISE, €765,000 grant **2018-2021**.
 - Co-PI, **Science of the Future**, Russian Federation Government, AU\$1.5M grant **2017-2019**.
 - Partner Investigator, **National Science Centre, Poland**, three grants totaling AU\$590K **2016-2020**
 - Co-PI, **Enterprise Future Science Platforms, Research Office, CSIRO**, AU\$15.5M grant **2016-2019**
 - Co-PI, **Horizon 2020 Funding, European Commission**, Marie Curie RISE, €580,500 grant **2015-2017**.
 - Co-PI, **Qatar National Research Fund**, National Priorities Research Program, \$865,908 grant **2014-2016**.
 - Co-Director, KAUST PI, Numerical Porous Media (NumPor) Center at KAUST, \$4,500,000 grant **2012-2016**.
 - PI, **SABIC Postdoctoral Fellowship**, supports Dr. Galina Printsypar's research, \$70,000 grant **2014-2015**
 - PI & Co-PI, Academic Excellence Alliance, Global Collaborative Research, KAUST: **UT-Austin:** PI \$176,000 grant **2008-2009**; PI \$900,000 grant **2011-2014**; Co-PI \$2,500,000 grant **2011-2014**; Co-PI \$900,000 grant **2011-2014**.
 - Stanford University:** PI \$200,000 grant **2009-2010**.
- Published 210+ scientific contributions. (121 ref arch J; 2 patents; 14 book ch; 81 conf proc; 9 preprints); Presented 350+ invited talks; Referee for 35+ leading peer-reviewed journals.
- Classes taught: 14 graduate level (10 KAUST; 3 Curtin; 1 CSIRO) & 10 short courses (BCAM/UPV, Spain, 2020; ITBA, Argentina, 2018; BCAM, Spain, 2017; UBA, Argentina, 2016; UNal, Colombia, 2013; Los Andes U, Colombia, 2012 & 2010; UPV, Spain, 2012; AGH Poland, 2010 & 2011)
- Editorial Work: **Assoc Ed** *J Comp App Math* since 2010 & *Comp Mod in Eng & Sci* since 2019; **Ed Board**, *Computation (2017-pres)* & *J Serb Soc Comp Mech* (2008-pres); **Advis Board:** *Sci* (2017-pres) **Guest Ed SI** Three in *Comp Meth App Mech Eng*; One in *J Comp App Math*; Two in *J Comp Sci*.
- Selected Committee Work: Member, NCMAC of Australia's NCI 2017-2020; Comp Mech Comm., Eng Mech Inst, ASCE, since 2010; Tech Review Comm, Argentina Rep, Ibero-American Prog Sci & Tech., www.cytcd.org, since 2008.