

JEAN-PHILIPPE AVOUAC

Academic Preparation

1987	Ingénieur	Ecole Polytechnique , France
1991	PhD, (advisor: Paul Tapponnier)	Institut de Physique du Globe de Paris, France
1992	Habilitation à diriger des recherches	Institut de Physique du Globe de Paris, France

Professional Appointments

2018-present:	Director of the NSF/IUCRC center for Geomechanics and the Mitigation of Geohazards .
2015- present:	Earle C. Anthony Professor of Geology, Professor of Mechanical and Civil Engineering California Institute of Technology
2014-2015:	BP-McKenzie Professor of Earth Sciences, University of Cambridge
2012-2014:	Earle C. Anthony Professor of Geology, GPS Division, California Institute of Technology
2004-2014:	Director of the Caltech Tectonics Observatory
2003-2012:	Professor of Geology, GPS Division, California Institute of Technology
1996-2002:	Chef du Laboratoire de Télédétection et Risque Sismique, DASE, CEA, France
1991-1996	Ingénieur, Laboratoire de Géophysique, CEA, France

Honors and Awards: Editors' Citation for Excellence in Refereeing for *Geophysical Research Letters* (2015), Wolfson Merit Award of the Royal Society, UK (2014), Fellow of the American Geophysical Union (2014); *Earth and Planetary Science Letters* Editorial Excellence Recognition Award (2013); Alexander von Humboldt Foundation Senior Scientist Award (2010); Editors' Citation for Excellence in Refereeing for *Journal of Geophysical Research-Solid Earth* (2008); Birch Lecture, American Geophysical Union (2007); Editors' Citation for Excellence in Refereeing for *Journal of Geophysical Research -Solid Earth* (2007); Geol. Soc. of America Best Paper Award (2003); E. A. Flinn Award of the International Lithosphere Program (1993).

Service (2009-2016, outside Caltech): Member of the Technology Advisory Council of BP (2014-2018); Review committee of the Earth Science Department at University of California, Santa Barbara (2013); Visiting committee of the Earth Observatory of Singapore (2012); Evaluation Committee of Agence Nationale de la Recherche (2012); Advisory Committee, Institute of Earth Sciences, Academia Sinica, Taiwan (2009, 2011); Advisory Committee, Centre for the Observation and Modeling of Earthquakes, Volcanoes and Tectonics, National center for Earth Observation, UK (2011); Evaluation Committee, Institut des Sciences de la Terre, ISTERRE, Université Joseph Fourier, Grenoble, (2010); Evaluation Committee, Institut de Physique du Globe de Paris (2009).

Service (2009-2016, Caltech): Board of Faculty (2012-2015); Academic Policies Committee (2011-2014); Oral Examination Core Committee, Division of Geological and Planetary Sciences (2012-13); member of various search committees for the Division of Geological and Planetary Sciences and the Division of Engineering and Applied Science.

Editorial activities and Professional Societies: Editor in chief, *Earth and Planetary Sciences Letters*; co-Editor in chief, *Tectonophysics* (2014-2017); Editorial Advisory Board, *Earth and Planetary Sciences Letters* (2005-2018); Advisory Board, *Terrestrial, Atmospheric and Oceanic Sciences* (2011-present); Guest Editor for *Journal of Geophysical Research* (2008); Reviewer for *Science*, *Nature*, *Nature Geoscience*, *PNAS*, *IEEE-TGRS*, *Geology*, *Journal of Geophysical Research*, *Journal of Structural Geology*, *Geomorphology*, *Journal of Geodesy*, *Reviews of Geophysics*, *Geophys. Journal International*, etc.; member of American Geophysical Union, European Geophysical Union, Nepal Geological Society, Geological Society of America, Committee for Space Research, Institute of Electrical and Electronics Engineers.

PhD Students (advised and co-advised): Sylvain Michel (2014- 2018); Chris Rollins (2012-2018), Vicky Stevens (2011-2016), Luca Malatesta (2012-2016); Thomas Ader (2009-2013); Marion Thomas (2009-2013), Nina Lin (2008-2013), Steve Kidder (2006-2011); Sebastien Leprince (2003-2008), Ozgun Konca (2004-2008), Pierre Bettinelli (2002-2007); Beatrice Puysegur (2002-2006); Martine Simoes (2002-2005); Laurent Bollinger (1998-2002); Blanche Poisson (1998-2002); Yann Klinger (1994-1998); Jérôme Lavé (1993-1997); Benoit Lorne (1993-1996); Rémi Michel (1993-1997).

Postdoctoral Scholars (advised and co-advised): Adriano Gualandi (2015-2018), Lingling Ye (2016-2017), Mortaza Pirouz (2014-2017), Pietro Sternai (2014-2016), Nadaya Cubas (2010-2013), Sylvain Barbot (2010-2012), James Hollingsworth (2009-2012), Alex Copley (2009-2010), Anthony Sladen (2007-2010), Itai Haviv (2008-2010), Mohammed Chlieh (2004-2007), Mathieu Daeron (2005), Frederick Herman (2005-2007), Hugo Perfettini (2002-2003); Stéphane Dominguez (2000-2001); Rodolphe Cattin (1998-1999); Jean-Bernard de Chabalier (1995-1996).

Publications and Patents: >180 publications in international peer reviewed journals; 2 patents in image processing. [Google scholar profile](#)