

Frederik J Simons

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Родитиома	2010	
Positions	2019–present 2017–present	Associate Chair of the Department of Geosciences; Professor of Geosciences;
	2017–present 2013–2017	Associate Professor of Geosciences, with tenure;
	2006–2013	Assistant Professor of Geosciences, Princeton University;
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	2016–present 2012–present	Executive Committee Member, Program in Archaeology; Associated Faculty, Program in Applied & Computational Mathematics;
	2012–present 2010–2013	Dusenbury Preceptor of Geological and Geophysical Sciences, Princeton U.
	2010–2023	Visiting Fellow, KU Leuven (Earth & Environmental Sciences);
	2018 & 2023 2014–2015	Member, Institute for Advanced Study (Astrophysics);
	2014–2013	Visitor, Institute for Advanced Study (Astrophysics & Cosmology); Visitor, U. Cambridge (Bullard Laboratories);
	2013	Visitor, U. L. Bruxelles (Applied Mathematics);
	2012	Visiting Fellow, University College London (Statistical Science);
	2010	Visitor, V. U. Brussel (Mathematics);
	2009	Visiting Professor, Institut de Physique du Globe de Paris (Planetary Science);
	2008	Visiting Professor, Eidgenössische Technische Hochschule Zürich (Geophysics).
	2004–2007	Lecturer of Geophysics, University College London (UCL).
	2002-2004	Beck Postdoctoral Teaching Fellow, Council on Science & Technology;
		Hess Postdoctoral Fellow, Geosciences Department, Princeton University.
	2002	Postdoctoral Research Associate;
	1996-2002	Research & Teaching Assistant, Earth, Atmospheric & Planetary Sciences,
		Massachusetts Institute of Technology (MIT).
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DEGREES	1996–2002	Massachusetts Institute of Technology, Cambridge, MA;
		Doctor of Philosophy with thesis in Geophysics.
	1992–1996	Katholieke Universiteit Leuven, Belgium;
		Kandidaat & Licentiaat with thesis in Geology;
		Grootste onderscheiding (summa cum laude).
	1980–1992	Onze-Lieve-Vrouwecollege Jesuit School, Antwerpen, Belgium;

RESEARCH I am a geologically inspired, geophysically educated, computationally motivated and mathematically minded geoscientist interested in the seismic, mechanical, thermal and magnetic properties of the Earth's lithosphere—and of the terrestrial planets and moons. I enjoy analyzing complex, large, and heterogeneous geophysical data sets, and design theoretical and computational inverse methods and statistical techniques to be able to do so—especially for partially observed processes modeled on a sphere. No amount of sophistication can cure a fundamental data limitation: I am developing floating hydrophones to open up the sparsely instrumented oceanic domains for global tomography.

Humaniora, Latin & Greek. Primus perpetuus.

PAPERS	Reprints: htt	A-3427-2008. OrcID: 0000-0003-2021-6645. ScopusID: 7102927367. p://geoweb.princeton.edu/people/simons/reprints.htmlp://geoweb.princeton.edu/people/simons/fjspubs.html	
Awards	2022 2014–2021 2018 2016 2012 2008 2005 2004 2002 2001 1998 1997&1998 1997 1996–2001 1996–1997	Vladimir Keilis-Borok Medal, International Union of Geodesy and Geophys Fellow of the Faculty of Sciences, KU Leuven; Distinguished Lecturer, Seismological Society of America & IRIS; Outstanding Reviewer, Geophysical Journal International; National Science Foundation CAREER Award; Prix quadriennal <i>Charles Lagrange</i> , Académie Royale de Belgique; Nuffield Foundation Newly Appointed Lecturer Award; Editors' Citation for Excellence in Refereeing, JGR-Planets, AGU; Beck Fellowship, Council on Science & Technology, Princeton; Outstanding Student Paper Award, Seismology Section, AGU; Victor J. DeCorte Fellowship, MIT; Teaching Assistant Excellence Awards, EAPS, MIT; Biennial prize for an M. Sc. thesis in Geology, Katholieke Universiteit Leuv Fulbright Fellowship, Commission for Educational Exchange; Honorary Fellowship, Belgian-American Educational Foundation; Ambassadorial Scholarship, Rotary International Foundation.	
SEMINARS	Invited Lecture Invited Confer	es in Academic Geoscience Departments: es in Various Other Departments & Outreach Events: rence Presentations: of International Meetings & Special Sessions :	110 64 64 27
SERVICE	Editorial	Associate Editor, <i>Geophysical Journal International</i> , 2017–2022; Advisory Board, <i>Springer Geosystems Mathematics</i> Books, since 2014; Editor, <i>International Journal on Geomathematics</i> , 2010–2025; Editorial Advisory Board, <i>Journal of Geodetic Science</i> , 2010–2025; Editorial Advisory Board, <i>Earth & Planetary Science Letters</i> , 2007–2018; Associate Editor, <i>J. Geophysical Research (Solid Earth)</i> , 2004–2009.	
	Refereeing	348 papers and proposals for 85 journals and organizations.	
	Community	Member, EarthScope Consortium Inaugural Board of Directors, 2022–2024	·;
		President, Earthscope-Oceans Steering Committee, since 2016;	
		Member, <i>Global Seismograph. Network</i> Standing Committee, IRIS (2021–2 Member, <i>Comput. Infrastructure Geodyn.</i> Executive Committee, 2016–2019 Member, <i>EarthScope</i> Education and Outreach SubCommittee, 2014–2019;	
	Princeton	Doctoral Exam Committees: General Exam Committees: Senior Theses Advised: Junior Papers Advised:	24 48 10 18
	External	Doctoral Exam Committees: Master's Degree Exam Committees:	23 3

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