

1, Rue Jussieu, IPGP, 75005 Paris, FRANCE

🗷 kuehnert@ipgp.fr | 🔏 jubeku.github.io | 🖸 Jubeku | 🛅 juliankuehnert | 💆 @JulianKuehnert

Education

Institut de Physique du Globe de Paris (IPGP)

Paris, France

Ph.D. IN GEOPHYSICS (expected date of graduation: 2019-11-27) • Research project: Simulation of Seismic Waves generated by Rockfalls on Real Topography Oct. 2016 - present

TU Delft | ETH Zurich | RWTH Aachen

Delft, Netherlands - Zurich, Switzerland - Aachen, Germany

Sept. 2014 - Aug. 2016

M.Sc. IN GEOPHYSICS (cum laude)

- IDEA League Joint Master's in Applied Geophysics
- · Dissertation prepared at Schlumerger in Gatwick, UK

University of Konstanz

Konstanz, Germany Oct. 2010 - Jul. 2014

B.Sc. IN PHYSICS

- Comprising a one year study abroad at Uppsala University (2012-2013)
- · Dissertation prepared at ISTerre in Grenoble, France

Research & work experience_

Schlumberger Gatwick, UK

M.Sc. dissertation Mar. 2016 - Aug. 2016

- · Topic: Joint inversion of shear-wave velocity azimuthal anisotropy from surface and body waves
- Advisors: Daniele Boiero, Claudio Boiero and Edgar Manukyan

UNIL Lausanne Lausanne. Switzerland

INTERNSHIP Aug. 2015 - Sept. 2015

- Topic: Numerical upscaling of seismic characteristics in fractured porous media
- Advisors: Eva Caspari and Klaus Holliger

ISTerre Grenoble Grenoble, France

B.Sc. DISSERTATION Mar. 2014 - Jul. 2014

- Topic: Ultrafast ultrasonic imaging of elastic properties in soft solids: Application of speckle-interferometry to quasistatic deformation
- Advisors: Philippe Roux and Michel Campillo

Uppsala University Uppsala, Sweden

RESEARCH PROJECT Sept. 2012 - Jun. 2013

- Topic: Commissioning of a collimated VUV Fourier transform spectrometer for inelastic resonance measurements
- · Advisor: Marcus Agåker

Carl Zeiss AG - Microscopy

Aalen-Oberkochen, Germany

STUDENT TRAINER

Aug. 2010; Mar. 2011

• Quality management in the department of Electron Microscopy (SEM and TEM microscopes)

Teaching

2019	Stresses and Elasticity, IPGP - M.Sc. level (in French)	France
2016	Experimental Physics III, RWTH Aachen - B.Sc. level (in German)	Germany
2015	Physics I, ETH Zurich - B.Sc. level (in German)	Switzerland

Skills

Programming Python, Matlab, Mathematica, FORTRAN, Java, LaTeX

HPC OpenMP, MPI

Tools Jekyll, Hugo, ArcGIS, QGIS Visualization TikZ, Matplotlib, HoloViews

Languages German, English, French, Spanish, Swedish

Grants, Workshops & Conferences

GRANTS

2018	COST travel grant, 4th TIDES Advanced Training School	Prague, Czech Rep.
2018	COST travel grant, 8th Munich Earth Skience School	Sudelfeld, Germany
2014-2016	Deutschlandstipendium , Scholarship for M.Sc. study from the German talent program	Germany

Workshops

2018	4th TIDES Advanced Training School, Applications in natural and industrial environments	Prague, Czech Rep.
2018	8th Munich Earth Skience School, Rotational Seismology	Sudelfeld, Germany
2017	1st EGU Galileo Conference , From process to signal – advancing environmental seismology	Ohlstadt, Germany

CONFERENCES (TALKS)

2019	Congrès Des Doctorants, Topography induced amplification of high frequency seismic waves generated by	Paris, France	
	landslides: from simulation to observation at Piton de la Fournaise volcano, La Réunion	runs, riunce	
	AGU Fall Meeting, High frequency seismic signal generated by landslides on complex topographies: from	Washington DC,	
2018	numerical simulation to field observation at Dolomieu crater, La Réunion	USA	
	Congrès Des Doctorants, High frequency seismic signal generated by landslides on complex topographies:		
2010	from point source to spatially distributed sources	Paris, France	

Extracurricular Activity

Organizing role during the Festival des Idées in Paris

Paris, France

2017

ART EXHIBITION AT IPGP

- Organization of an exhibition entitled: A love for risk how far is too far?
- The exhibition contained artworks of researchers expressing the risks and dangers related to their scientific work.

Instructor Ski-Alpin Germany & Austria

DOSB B-LICENSE

- Teaching of individuals and groups
- Organization of day trips and youth camps