

1, Rue Jussieu, IPGP, 75005 Paris, FRANCE

💌 kuehnert@ipgp.fr | 🎢 www.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)

Oct. 2016 - present

Sept. 2014 - Aug. 2016

Konstanz, Germany

• Research project: Simulation of Seismic Waves generated by Rockfalls on Real Topography

## TU Delft | ETH Zurich | RWTH Aachen

Delft, Netherlands - Zurich, Switzerland - Aachen, Germany

M.Sc. IN GEOPHYSICS (cum laude)

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

**University of Konstanz** 

B.Sc. IN PHYSICS

Oct. 2010 - Jul. 2014

- 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

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

> Web Jekyll, Hugo

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	<b>4th TIDES Advanced Training School</b> , Applications in natural and industrial environments	Prague, Czech Rep.
2018	8th Munich Earth Skience School, Rotational Seismology	Sudelfeld, Germany
2017	<b>1st EGU Galileo Conference</b> , 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	Daris Franco
	landslides: from simulation to observation at Piton de la Fournaise volcano, La Réunion	Paris, France
2018	<b>AGU Fall Meeting,</b> High frequency seismic signal generated by landslides on complex topographies: from	Washington DC,
	numerical simulation to field observation at Dolomieu crater, La Réunion	USA
2018	Congrès Des Doctorants, High frequency seismic signal generated by landslides on complex topographies:	Paris. France
	from point source to spatially distributed sources	runs, riunce

# **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