

Hugo S. SÁNCHEZ REYES

BIRTH: 4 July 1989
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🌐 <http://hugosanrocks.github.io/>



WORK EXPERIENCE

Oct. 2015 - Currently **PhD. Student at Université Grenoble Alpes, ISTerre**
Thesis: *An Adjoint-State Method for 3D Seismic Source Inversion*

Mar. 2015 - Jun. 2015 **Internship at Université Joseph Fourier, ISTerre**
Project: ANR S4 Subduction: standard and slow seismology

Feb. 2014 - Jun. 2014 **Internship at Université Joseph Fourier, ISTerre**
Project: *1D Eikonal equation by a DG Finite Element Method*

Oct. 2012 - Aug. 2013 **Geophysical Specialist in Exploration at COMESA S. A.**
Tasks: *Development of didactic software for PSTM seismic data.*

EDUCATION AND TRAINING

Feb. 2015 **MSc. in Engineering Seismology**
Thesis: *Eikonal Equation by a DG-FEM* | Advisor: Prof. Jean VIRIEUX
Université Joseph Fourier, Istituto Universitario di Studi Superiori di Pavia

Apr. 2013 **BSc. in Geophysical Engineering**
Thesis: *Seismic source modeling of Jalisco earthquake ($M_w=8.0$), 1995, from the inversion of seismic and static records* | Advisor: PhD. Vala HJORLEIFSDOTTIR
National Autonomous University of Mexico, UNAM, Mexico | **Graduated with honors**

Other trainings:

Mar. 2013 Guralp-Ampère Latin American Instrumentation Workshop
Basic use and setup of Guralp and FreeWave instruments
Ampère Instrumentation and Telemetry, Mexico

Jul. 2011 Course of field seismic instrumentation
Use of seismic sensors and digitizers
Institute of Geophysics, National Autonomous University of Mexico, Mexico

PAPERS

- [1] **Sánchez-Reyes**, H. S., Tago, J., Mtivier, L., Cruz-Atienza, V. M. and Virieux, J., 2018. An evolutive linear kinematic source inversion. *JGR Solid Earth*, 123, DOI: 10.1029/2017JB015388.
- [2] Hjorleifsdottir, V., **Sánchez-Reyes**, H. S., Ruiz Angulo, A., Ramrez-Herrera, M. T., Castillo-Aja, R., Singh, S. K. and Ji, C., 2018. Was the October 9th 1995 M_w 8 Jalisco, Mexico earthquake a near trench event? *JGR Solid Earth*, DOI: 10.1029/2017JB014899.
- [3] Jara, J., **Sánchez-Reyes**, H. S., Socquet, A., Cotton, F., Virieux, J., Maksymowicz, A., Diaz-Mojica, J., Walpersdorf, A., Ruiz, J., Cotte, N. and Norabuena, E., 2018. Kinematic Study of Iquique 2014 M_w 8.1 earthquake: understanding the segmentation of the seismogenic zone. *Accepted for publication in Earth and Planetary Sciences.*

LANGUAGES & OTHER SKILLS

FRENCH:	Fluent B2	Basic:	C++, ArcGIS, SEISAN
ENGLISH:	Fluent IELTS 7.0	Intermediate:	Python, QGIS, OpenQuake, SAC, MPI, Perl, SU
RUSSIAN:	Basic A1	Advanced:	Fortran, MatLab, GMT, OpenMP
SPANISH:	Mothertongue	Leadership:	2011-2012 President of UNAM's SEG Student Chapter

SCHOLARSHIPS & CONFERENCES

2013	Erasmus Mundus MEEES	2017	IAG-IASPEI Kobe Meeting (Poster Participation)
2012	ExxonMobil Research Scholarship	2016	AGU Fall Meeting (Poster Participation)
2011	Chevron/SEG SLS Travel Grant	2015	UGM Annual Meeting (Oral Participation)
		2012	UGM Annual Meeting (Oral Participation)

INTERESTS AND ACTIVITIES

Technology, open-source, programming, languages, saxophone, guitar, writing science-fiction travelling, literature, jogging