Hugo S. Sánchez Reyes

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🌐 http://hugosanrocks.github.io/ 🌐 https://github.com/hugosanrocks

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	**Research 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 TRAINNING

Feb. 2015	**MSc. in Engineering Seismology** Thesis: *Eikonal Equation by a DG-FEM* | Advisor: Prof. Jean VIRIEUX Université Joseph Fourier, France | Istituto Universitario di Studi Superiori di Pavia, Italy
Apr. 2013	**BSc. in Geophysical Engineering** Thesis: *Seismic source modeling of Jalisco earthquake (Mw=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

SCIENTIFIC PUBLICATIONS

[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. [Link]

[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. [Link]

[3] Jara, J., **Sánchez-Reyes, H. S.**, Socquet, A., Cotton, F., Virieux, J., Maksymowicz et al., 2018. Kinematic Study of Iquique 2014 M_w8.1 earthquake: understanding the segmentation of the seismogenic zone. *Earth and Planetary Sciences* DOI: 10.1016/j.epsl.2018.09.025. [Link]

LANGUAGES & OTHER SKILLS

FRENCH:	Fluent B2	Basic:	ArcGIS, SeismicUnix
ENGLISH:	Fluent IELTS 7.0	Intermediate:	C++, Python, QGIS, OpenQuake, SAC, MPI, Perl, SEISAN
RUSSIAN:	Basic A2	Advanced:	Fortran, OpenMP, MatLab, GMT, LaTeX
SPANISH:	Mothertongue	Leadership:	2011-2012 President of UNAM's SEG Student Chapter
			Organizer of "Earthquke Precursors Reading Group"

SCHOLARSHIPS-AWARDS & CONFERENCES

2018	AGU Outstanding Student Presentation Award	2018	AGU Fall Meeting (Oral)
2018	Mechanics of Earthquake Faulting Workshop	2017	IAG-IASPEI Kobe Meeting (Poster)
2015	CNRS Recrutement étudiant handicapé	2016	AGU Fall Meeting (Poster)
2013	Erasmus Mundus MEEES	2015	UGM Annual Meeting (Oral)
2012	ExxonMobil Research Scholarship	2012	UGM Annual Meeting (Oral)
2011	Chevron/SEG SLS Travel Grant		Posters and presentations: [GitHub link]

INTERESTS AND ACTIVITIES

Inverse problems, bayesian inference, programming, languages, saxophone, writing science-fiction