Iason Grigoratos

Curriculum Vitae

Date of Birth	July 1991	e-mail	iason.grigoratos@sed.ethz.ch
Address	Zurich, Switzerland	Mobile	(+41) 782235158
Citizenship	Greek	Website	LinkedIn

Education

October 2016 - March 2020	**PhD in Earthquake Engineering & Engineering Seismology** School of Advanced Studies IUSS Pavia, Italy Time-dependent seismic hazard and risk assessment due to wastewater disposal in Oklahoma Advisors: Prof. P. Bazzurro (IUSS Pavia), Prof. E. Rathje (UT Austin)
September 2014 - January 2016	**MSc in Earthquake Engineering & Engineering Seismology (MEEES)** University Grenoble Alpes & IUSS Pavia
September 2009 - August 2014	**5-years' Civil Engineering diploma; specialization in Structural Engineering** University of Patras, Greece

Experience

June 2021 - now	Postdoctoral Fellow **ETH Zurich, Swiss Seismological Service (SED)** Forecasting seismicity triggered by geothermal stimulations. DEEP Project.
April 2020 - June 2021	Postdoctoral Fellow **University of Texas at Austin, Bureau of Economic Geology** Seismic hazard and risk analysis due to oil and gas activities in Texas. CISR-TexNet Project.
October 2017 - March 2020	Research Fellow **University of Texas at Austin** Seismic hazard and risk analysis due to oil and gas activities in Oklahoma. CISR-TexNet Project.
October 2014 - September 2017	Consulting Structural Engineer **Grigoratos LLC** Seismic assessment, re-design, strengthening and construction of RC buildings.
January 2017 - December 2017	Consulting seismic hazard modeler for the ITERATE Project **School of Advanced Studies IUSS, Pavia** Development of an improved hazard model for N. Algeria.
January 2016 - December 2016	Research Engineer in the SASPARM 2.0 Project. **School of Advanced Studies IUSS, Pavia** Development of vulnerability models for integrated seismic risk assessment in Palestine.
February - July 2015	Internship on Probabilistic Seismic Hazard Analysis **ISTerre, Grenoble** Analyzing the seismic hazard model of the SHARE project for metropolitan France.

Journal publications

February 2021	Time-dependent seismic hazard and risk due to wastewater injection in Oklahoma Grigoratos I, Rathje E, Bazzurro P, Savvaidis A **Earthquake Spectra**
August 2020	Earthquakes induced by wastewater injection, part I: model development and hindcasting Grigoratos I, Rathje E, Bazzurro P, Savvaidis A **Bulletin of the Seismological Society of America**
August 2020	Earthquakes induced by wastewater injection, part II: statistical evaluation of causal factors and seismicity rate forecasting

Grigoratos I, Rathje E, Bazzurro P, Savvaidis A
Bulletin of the Seismological Society of America

February 2020 | An updated parametric catalog of historical earthquakes around the Dead Sea Transform Fault Zone
Grigoratos I, Poggi V, Danciu L, Rojo G
Journal of Seismology

November 2018 | Crowdsourcing exposure data for seismic vulnerability assessment in developing countries
Grigoratos I, Monteiro R, Ceresa P, Di Meo A, Faravelli M, Borzi B
Journal of Earthquake Engineering

December 2016 | Development of a fragility and exposure model for Palestine – application to the city of Nablus
Grigoratos I, Dabeek J, Faravelli M, *et al.*
Procedia Engineering Journal

Invited talks

September 2020 | Oil and gas activities in Oklahoma have led to unprecedented seismic hazard and risk levels
United States Geological Survey (USGS)

July 2020 | Elevated seismic hazard and risk due to wastewater disposal in Oklahoma (USA)
National Institute of Oceanography & Experimental Geophysics (OGS), Trieste, Italy

November 2019 | Identifying induced seismicity in Oklahoma with certain statistical significance
Society of Petroleum Engineers / Society of Exploration Geophysicists

Conferences

April 2021 | Distinguishing the causal factors of induced seismicity in West Texas: hydraulic fracturing versus wastewater disposal
Grigoratos I, Savvaidis A, Rathje E
2021 Annual Meeting of the Seismological Society of America (SSA), USA

December 2019 | Is wastewater induced seismicity characterized by elevated Gutenberg-Richter b-values?
Grigoratos I, Rathje E, Savvaidis A, Bazzurro P, Schaefer A
American Geophysical Union (AGU), Fall Meeting 2019

April 2019 | Forecasting induced seismicity due to wastewater injection
Grigoratos I, Rathje E, Savvaidis A, Bazzurro P
2019 Annual Meeting of the Seismological Society of America (SSA), Seattle, USA

June 2018 | Data harmonization and earthquake-rate forecast for the Palestinian territories
Grigoratos I, Danciu L, Poggi V, *et al.*
11th US National Conference in Earthquake Engineering (NCEE), Los Angeles, USA

November 2015 | Sensitivity study on the project SHARE PSHA model and exploration of uncertainties on earthquake recurrence – application to France
Grigoratos I, Beauval C, Bard PY, Belvaux M, Aristizabal C
9th National Conference of the French Association for Earthquake Engineering, Paris, France

Languages: Greek (native), English (C2), German (C1)
Reviewer: Earthquake Spectra, Journal of Earthquake Engineering, Frontiers of Earth Sciences, Journal of Disaster Risk Reduction