

MUSTAPHA BENZIANE

Open for a Ph.D. Studentship

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Grenoble, France

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EXPERIENCE

Research Intern - Ongoing

ISTerre

February 2022 – July 2022 Grenoble, France

- Time-dependent Receiver Relocalization Strategy for a Robust Full Waveform Inversion.
- Supervisors: Assoc. Prs: Ludovic Métivier, Romain Brossier

Research Intern

ISTerre

May 2021 – July 2021 Grenoble, France

- Land Seismic Elastic Modeling in Very Complex Near Surface to Investigate Micro-Scattering Effects on Data Quality.
- Supervisor: Assoc. Pr: Romain Brossier

Geophysicist, Engineer

GeoEXplo

July 2017 – December 2020 Algiers, Algeria

- Acquisition, processing, interpretation and reporting of:
 - Surface seismic & Borehole seismic.
 - Surface waves analysis (MASW | ReMi).
 - Vertical electrical sounding "VES" & Electrical resistivity tomography "ERT".
- Mount Sopris Instruments (MSI) & Advanced Logic Technology (ALT) well logging equipment & software (WellCAD) sales, training and technical support.

MEMBERSHIPS AND ACTIVITIES

SEG & EAGE

Student member

SEG SC University of Grenoble

Vice president (2020-2021)

SEG SC University of Boumerdes

Team member (2014-2016)

DIGITAL SKILLS

Fortran & OpenMP Introductory HPC skills Matlab & Python

Seismic Un*x Linux & Bash scripting Good command of \LaTeX

Web Development (CMSs, HTML & CSS. Basic: PHP, MySQL & JS)

EDUCATION

Master of Science: Geophysics and Seismology

University of Grenoble Alpes, France

September 2020– July 2022 "expected"

Master's Degree: Petroleum Geophysics

University of Boumerdes, Algeria

September 2014 – September 2016

Bachelor's Degree: Geophysics

University of Boumerdes, Algeria

September 2011 – June 2014

High School Diploma (Focus: Chemistry)

Public High School, Arzew, Algeria

September 2008 – July 2011

INTERESTS

Numerical Modelling Methods (SEM, DG & FD)

Inverse Problems & Numerical Optimization

FWI

Coupling Problems in Seismic Imaging

HOBBIES

General public science books. & Novels

Prgramming

Cycling

Space exploration simulation games (KSP)

LANGUAGES

English Duolingo Test: 135

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French TCF: C1

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Modern Standard Arabic

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Western Arabic Dialect

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