MUSTAPHA BENZIANE

Open for a Ph.D. Studentship

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EXPERIENCE

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.

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.

DIGITAL SKILLS

- Fortran & OpenMP.
- Introductory HPC skills (Acquired during a reasearch internship)
- Matlab & Python
- Seismic Unix.
- Good command of Linux (Debian based distribution user).
- Bash scripting.
- Web Development (HTML,CSS - Basic knowledge: PHP & JS)

FIELD-SPECIFIC SKILLS

- Reflection seismic data processing.
- Well logging (MSI & ALT ’s equipment). acquisition and processing (also: equipment verification & maintenance)

MEBERSHIPS & ACTIVITIES

- SEG Student member.
- EAGE Student member.
- SEG Student Chapter University of Grenoble, Vice president (2020-2021).
- SEG Student Chapter University of Boumerdes, Member (2014 - 2016).

EDUCATION

Master of Science: Geophysics and Seismology

University of Grenoble Alpes, France

September 2020– Present

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

Research

- Numerical Modelling Methods (SEM, DG & FD Methods).
- Inverse Problems & Numerical Optimization.
- Full Waveform Inversion.
- High Performance Computing.
- Full Waveform Inversion.
- Coupling Problems in Seismic Imaging.

Hobbies

- General public science books & Novels.
- Programming.
- Cycling.

LANGUAGES

English
French
Modern Standard Arabic
Western Arabic Dialect