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Feras ABDUL SAMAD

Ph. D. in Applied Geophysics
from the University of
Pierre et Marie Curie, Paris 6

Place Birth: Damascus
Date of birth: 25/08/1983
Nationality: Syrian
Driving license B

- Motivated researcher with skills in geoelectrical method (laboratory and field measurements).
- Skilled geophysicist keen to work for developing hydrogeophysics and petrophysics reserchers.
- Enthusiast for field experience and looking for new challenges and discoveries.

Education

2013–2017: Ph. D. in Geosciences, Natural resources and environment defended in March 2017, at the university of Pierre et Marie Curie (Paris 6) - UMR 7619 Métis.

Thesis title: Induced Polarization: experimentation, modelling and geophysical applications.

Advisors: Nicolas Florsch & Christian Camerlynck.

2011–2012: Master II in applied geophysics, at the UPMC (Paris 6), Department: Environment and Resources Geophysics.

2002–2006: B.Sc. in applied Geophysics, Faculty of sciences, Damascus University, Syria.

Publications

Abdulsamad. F, Florsch. N, Camerlynck. C. Spectral Induced Polarization in a sandy medium containing semi-conductor materials: study of the polarization mechanism. Submitted in Near Surface Geophysics, March, 2017.

Florsch. N, **Abdulsamad. F**, Bonnenfant. J, Camerlynck. C. La polarisation provoquée, outil géophysique pour l'estimation des productions paléosidérurgiques. Acceped in Archéométrie/Archéoscience.

Mary. B, **Abdulsamad. F**, Saracco. G, Peyras. L, Vennetier. M, Mériaux. P, Camerlynck. C. Improvement of coarse root detection using time and frequency induced polarization: from laboratory to field experiments. Plant and Soil. 2017 (In press).

Abdulsamad. F, Florsch. N, Schmutz. M, Camerlynck. C. (2016). Assessing the high frequency behavior of non-polarizable electrodes for spectral induced polarization measurements. Journal of Applied Geophysics, 135, 449-455. doi:10.1016/j.jappgeo.2016.01.001.

Communications

Abdulsamad. F, Florsch. N, Bonnenfant. J, Camerlynck. C. Polarisation Provoquée pour la reconnaissance des ferriers. In the 10th Geofcan workshop, 2016. RRGM Orléans. (Abstract, Poster).

Abdulsamad. F, Florsch.N, Camerlynck.C. Spectral Induced Polarization in a sandy medium containing semi-conductor materials: study of the polarization mechanism. In the 4th International workshop on Induced polarization, 2016. In Aarhus, Denmark. (Abstract, Presentation).

Abdulsamad. F, Florsch. N, Schmutz. M, Camerlynck. C. The paradox of the measuring electrodes in IP. 3rd International workshop on Induced polarization, 2014. In Oléron Island, France. (Abstract, Poster).

Work and field experiences

2015 (6 days): Field training supervision (Pleine-Fougères-35). Application of electrical resistivity tomography, electromagnetic mapping and GPS.

2015 (5 days): Geophysical and archeological prospecting in Sainte-Marie-aux-Mines (Haut-Rhin): Electrical resistivity tomography – Induced Polarization method- Magnetic mapping.

2015 (11 days): Geophysical and archeological prospecting in Saint-Vincent sur l'Isle (Dordogne, France): application of electrical resistivity tomography, Induced Polarization method and Magnetic mapping.

2012 (6 months): Geoelectrical Interpretation stage in the Sysiphe laboratory in the University of Paris VI: Master's degree internship: Processing and interpretation of spectral induced polarization data carried out in laboratory. Matlab workspace was used to implement an inversion code to invert the data and studied the dependent of the spectral response on the variation of PH and biological materials content.

2012 (5 days): Geophysical and archeological prospecting in Vix (Côte-d'Or, France): application of electrical resistivity tomography (RM-15), magnetic mapping, electromagnetic mapping, ground penetrating radar profiling.

2011 (7 days): Hydrogeophysical characterization of zone contaminated by sea-water in Merlimont (Côte d'Opale, France): application of electrical resistivity tomography, seismic refraction method, electromagnetic mapping, electrical sounding - electromagnetic mapping (EM31) and Ground penetrating radar profiling.

Teaching

2015 (3 months): Responsible of 3 trainees in Master.

2014 (7 days): Field training supervision. Geophysical and archeological prospecting in Mas d'Azil (France): application of electrical resistivity tomography, electromagnetic mapping and topographic survey.

Competencies & skills

Geophysics: Geoelectric softwares.
Program: Matlab, Scilab, C++ (basics).
SIG: Surfer software, ArcGIS (basics).
Image processing: Adobe Illustrator, Photoshop.

Languages

- French fluent (speaking, reading, writing)
- English good (speaking, reading, writing)
- Arabic (native language)

Activities

- Football
- Basketball
- Ping pong

References

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