



CAREER OBJECTIVE

My career plans and ambition for the future include research, impacting knowledge in addition to using my skills and experience to help explore and develop various resources across the world in a much safer and environmentally sustainable manner.

PERSONAL INFORMATION

Name: Nuamah Daniel Oduro Boatey
Place of Residence: Kumasi, Ghana.
Place and Date of birth: Accra-Ghana, 9th October, 1987.
Address: Geological Eng. Dpt. KNUST, Kumasi, Ghana.
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EDUCATION AND TRAINING

- Sept 2016 to July 2020 PhD in **Earth Science** (Area: **Inversion Geophysics**), University of Miskolc, Hungary. ***Thesis Title:*** Development of Robust Inversion-Based Fourier Transformation Methods for Non-Equidistant Geophysical Data Processing
- Sept 2012- July 2014 Master of Philosophy in **Geology (Geophysics-Option)**, University of Ghana. ***Thesis Title:*** Geologic Structure of the Keta Basin, South-Eastern Ghana, From Integrated Geophysical Datasets
- Sept-Nov, 2013 Post Graduate Cert. in **Occupational Safety, Health and Environmental Management**, Ghana Institute of Management and Public Administration (GIMPA).
- Sept 2007- July 2011 Bachelors of Science in **Geology (Geochemistry-Option)**, University of Ghana. ***Thesis Title:*** Minor and Trace Element Geochemistry of Soils
- 2003-2006 West Africa Examination certificate, St. John's Sch. /Snr. High
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WORK EXPERIENCE

- Dec. 2020- To Date **Lecturer**, Kwame Nkrumah University of Science and Technology
- Responsibilities include Teaching and Research, Publications and Conference Presentations, student mentorship and assessment, students research supervision.
- Nov. 2017- July 2020 **Assistant Research Fellow**, University of Miskolc, Hungary
- Responsibilities include Research, Publications and Conference Presentations

- Jan. 2015 - Jul.2016 **Deputy Registrar**, Business Management and Financial Institute.
- Assisted in all academic work, Monitoring and evaluation, coordination with external academic regulatory agencies as well as liaising with lecturers, students and classroom activities
- Sept. 2014- Jan. 2015 **Assistant Lecturer**, Business Management and Financial Institute.
- Responsibilities included delivering lectures, seminars and tutorials, preparation and development of teaching materials, assessment of students' coursework and supervising students' research activities
- Nov. 2012-Feb. 2014 **Safety Officer**, J-Joe GH. Limited.
- Work responsibilities included preparation of monthly HSE report, ensured compliance to HSE procedures and requirements, Health and Safety Education, Regular inspection and incident investigation.
- Oct. 2011-Aug. 2012 **National Service Personnel**, Tutor at New Abriem Senior High School.
- Responsibilities were Classroom teaching, Assessment of students and Mentorship
- May-July 2011 **Field Geologist (Exploration-internship)**, Caracal Mining GH. LTD.
- Responsibilities included Location of drilling and soil sampling points, Drill core analyses, Soil sampling, Processing of geophysical data (aero-magnetic and air-borne gravity) and Supervision of trenching activities

PROJECT PARTICIPATION

1. **EFOP-3.6.1-16-2016-00011** “Younger and Renewing University – Innovative Knowledge City – institutional development of the University of Miskolc aiming at intelligent specialization” **project implemented in the framework of the Szechenyi 2020 program**. The realization of this project was supported by the European Union and co-financed by the European Social Fund. **April-Jun. 2018**
 2. University of Miskolc **Higher Education Institution Excellence Program** (Application of optimization methods in the geophysical survey of geothermal Systems "Optimizing Natural Resources Based On Technologies: Research Related to Energy, Water Resources and Smart Technologies"). **Sept.-Nov. 2018 and Jul.-Sept. 2019**
 3. **GINOP-2.3.2-15-2016- 00010** “Development of enhanced engineering methods with the aim at utilization of subterranean energy resources” project of the Research Institute of Applied Earth Sciences of the University of Miskolc in the framework of the Széchenyi 2020 Plan, funded by the European Union, co-financed by the European Structural and Investment Funds. **Nov. 2019- Jul. 2020.**
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LIST OF PUBLICATION

Journal Publications

1. **Nuamah, D.O.B.**, Dobróka, M., Vass, P. *et al.* Legendre polynomial-based robust Fourier transformation and its use in reduction to the pole of magnetic data. *Acta Geod Geophys* (2021). <https://doi.org/10.1007/s40328-021-00357-1>
2. **Nuamah Daniel O. B.** & Tandoh Kingsley K. (2020). Application of 3D Euler Deconvolution and 2D inverse modelling to basin depth estimation, the case of the Keta basin, Ghana, *NRIAG Journal of Astronomy and Geophysics*, 9:1, 393-401, DOI:10.1080/20909977.2020.1743019
3. **Nuamah, D.O.B.** & Dobroka, M. Inversion-based fourier transformation used in processing non-equidistantly measured magnetic data. *Acta Geod Geophys* (2019). <https://doi.org/10.1007/s40328-019-00266-4>
4. **Nuamah Daniel O. B.**, Tandoh Kingsley K., Brako A. Blestmond (2019). Geochemistry of Minor and Trace Elements in Soils of Akuse Area, Southeastern Ghana, *Geosciences* 2019, 9(1): 8-17, DOI: 10.5923/j.geo.20190901.02
5. **Daniel O. B. Nuamah** and Mihály Dobróka. Reduction to pole of non-equidistantly measured magnetic data using an inversion-based Fourier transformation algorithm. *Geoscience and Engineering Journal*, Volume 6, Number 9 (2018), pg 32-39. HU ISSN 2063-6997
6. **Daniel Oduro Boatey Nuamah**. Heavy Metal source identification and analyses using multivariate statistical methods, in soils from Akuse area, South-eastern Ghana. *Geoscience and Engineering*, Volume 5, Number 8, 2016, Pg 125. HU ISSN 2063-6997

Conferences / Publications

7. Mihaly Dobroka, **Daniel O.B Nuamah**, J. Somogyi-Molnar and Tamas Ormos, A robust inversion-based Fourier Transformation algorithm used in the interpretation of non-equidistantly measured magnetic data, Proceedings at the 9th ICCM2018, 6th-10th August 2018, Rome, Italy, Eds: G.R. Liu, Patrizia Trovalusci, ID 3569, ScienTech Publisher. ISSN 2374-3948
8. A. Kiss, **D.O.B. Nuamah** and M. Dobróka (2018). Improved Description of the Acoustic Wave Parameters – Pressure Relations with New Double Relaxation Models, EAGE Near Surface Geoscience Conference (24th European Meeting of Environmental and Engineering Geophysics, Porto-Portugal, 09th -13th September 2018), DOI: 10.3997/2214-4609.201802583
9. **Nuamah Daniel O.B.**, A. Kiss and M. Dobroka (2018). Reduction to Pole of Non-Equidistantly Measured Magnetic Data Using an Inversion-Based Fourier Transformation Algorithm, EAGE Near Surface Geoscience Conference, (2nd Conference on Geophysics for Mineral Exploration and Mining, Porto-Portugal, 09th -13th September 2018), DOI: 10.3997/2214-4609.201802725
10. A. Kiss, M. Dobróka, **D.O.B. Nuamah** and J. Somogyi Molnár (2018). Noise Suppression in Reduction to Pole of Magnetic Data. EAGE Saint Petersburg 2018 Conference (Innovation in Geoscience-Time for Breakthrough, Saint Petersburg, Russia, 09-12 April 2018) DOI: 10.3997/2214-4609.201800204

SOFTWARE LITERACY AND LANGUAGE SKILL

- Have adequate knowledge about software's such as Matlab, Petrel, ARC GIS, Geosoft Oasis Montaj, MapInfo professional, Microsoft office and Golden software surfer.
 - Speaks Fluent English and Ready to learn other languages.
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PERSONAL ABILITIES AND AWARDS

- Strong organizational skills and ability to work under pressure. Excellent written and oral communication skills. Strong interpersonal skill: courtesy, patience and loyal. Commitment to accuracy and attention to details. Ability to multi-task and prioritize work amidst competing demands. A team player.
 - ❖ Audience Award, Hungarian Young Geoscience Conference 2017.
 - ❖ Best student in Religious and Moral Education, St. John's Snr. High Sekondi-Takoradi. 2006.
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REFEREES

1. Prof. Mihaly Dobroka, University of Miskolc, Department of Geophysics, H-3515 Miskolc-Egyetemváros, A/2 b. II. Floor. E-Mail: dobroka@uni-miskolc.hu
2. Prof. Norbert Szabo, University of Miskolc, Department of Geophysics, H-3515 Miskolc-Egyetemváros, A/2 b. II. Floor. E-Mail: norbert.szabo.phd@gmail.com
3. Prof. D.K Asiedu, University of Ghana, Department of Earth Science, Legon.
4. Prof. P. Nude, University of Ghana, Department of Earth Science, Legon
5. Ass. Prof. Peter Vass, University of Miskolc, Department of Geophysics, H-3515 Miskolc-Egyetemváros, A/2 b. II. Floor. E-Mail: gfvassp@uni-miskolc.hu
6. Dr. T.K Armah, University of Ghana, Department of Earth Science, Legon.