

IRENE CATHERINE NANTONGO

77 SWORDS ROAD, WHITEHALL, DUBLIN 9, DO9 N977 (IRELAND). PHONE: +353 89 420 7630

EMAIL: irene13nantongo@gmail.com

EDUCATION

- 09/2020 – To date **Technological University Dublin, Dublin (Ireland)**
Degree to be obtained: MSc Energy Management
- 09/2015 – 09/2017 **University Abu Bekr Belkaid & Pan African University Institute of Water and Energy Sciences (including Climate Change) (PAUWES), Chetouane, Tlemcen (Algeria)**
Degree obtained: MSc Energy Engineering ; Obtained grade average: A
MSc Research: “Techno-economic feasibility of a gasification plant for rural electrification, under a bamboo based sustainable economic model: Case of Bududa District in Eastern Uganda”. http://repository.pauwes-cop.net/bitstream/handle/1/111/MT_Irene%20Nantongo.pdf?sequence=1&isAllowed=y
2015-2016: Was the students’ Leader/Representative (MSc Energy Engineering Class)
- 2007– 2011 **Makerere University, Kampala (Uganda)**
Degree obtained: BSc Industrial Chemistry
BSc Research: Spectrophotometric method for determination of quantity of Urea in alcoholic beverages, to determine the possible formation of carcinogenic ethyl carbamate from the reaction of ethanol and urea.
2008: Did workshop practice in woodwork, metalwork, glass blowing and fabrication, pipe work and piping system, electricity and wiring.
2007-2008: Was the “Chief Freshness” (Leader of all Christian first year students) at Makerere University – St. Augustine Church and Community.

PUBLICATIONS

1. Wojciech M. Budzianowski, Irene Nantongo, et al (2018). “**Business models and innovativeness of potential renewable energy projects in Africa,**” *Renewable Energy* Vol 123 issue C, 162-190

RESEARCH EXPERIENCE

- 26/6/2017 – 14/8/2017 **German Biomass Research Centre gGmbH, Deutsches Biomasseforschungszentrum (DBFZ), Leipzig, Saxony (Germany)**
Role: Energy Researcher, Intern
Researched on Biomass gasification technology to produce electricity. Researched on sustainable rural development and rural electrification using the Bamboo plant.
- 06/4/2017 – 6/06/2017 **Burkina Faso’s - West African Science Service Centre on Climate Change and Adapted Land Use (WASCAL), Ouagadougou (Burkina Faso)**
Role: Energy and Climate Researcher, Intern
Did assessment of Energy problems in west Africa and their influence on development; Climate change studies; Introduction to Ecological Niche Modelling (ENM) and biodiversity. Got Introduced to research tools, methodology and software such as R software/ RStudio, Arc GIS and QGIS, climPACT, modelling with HBV light, and GAMS software for economic modelling.
- 28/01/2017 – 11/03/2017 **Niger’s - West African Science Service Centre on Climate Change and Adapted Land Use (WASCAL), Niamey (Niger)**
Role: Energy and Climate Researcher, Intern
Did workshop/fieldwork, research methodology in Energy and Climate Change studies for Sub Saharan African Energy Sector. Reviewed energy generation technologies applicable in Niger, and field work on energy installations in Niger.

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TRAINING, CONFERENCES AND SYMPOSIUMS

- 28/03/2016 – 01/04/2016 **Spring School and field work in Energy, in Cologne & Bonn (Germany)**
Trained on, and visited the installed and running renewable energy and non-renewable power plants within and around Cologne and Bonn, Germany. Training organised by (ITT), TH Koln-University. *Awarded with a Certificate of Training.*
- 21/03/2016 – 26/03/2016 **Workshop of Energy incl. Laboratory, in Cologne (Germany)**
Carried out laboratory work/experiments on renewable energy technologies at TH Koln-University of Applied Sciences. *Awarded with a Certificate of Training.*
- 08/03/2016 – 10/03/2016 **Participation in the Africa-EU Symposium on Renewable Energy Research and Innovation, in Tlemcen (Algeria) - Awarded with a Certificate of Participation.**
This symposium was about ongoing research in energy both within Africa and Europe. Awarded a certificate for being part of organisation and attendance.
- 10/2013 **Training on international standardization ISO/IEC 17067 and ISO/IEC 17020 - in Kampala (Uganda) – Awarded with a Certificate of Training.**
Organized by the East Africa Community (EAC), Standards Department.
- 06/2008 – 08/2008 **Industrial training at the “Uganda Industrial Research Institute” (UIRI), in Kampala, (Uganda)**
Trained on Quality Assurance, i.e. chemistry & biochemistry laboratory work.

WORK EXPERIENCE (PREVIOUS EMPLOYMENT)

- 06/2013 – 10/2015 **The Uganda National Bureau of Standards (UNBS), Kampala (Uganda)**
Role: Energy and Chemicals Standards Officer, and Program Officer for the Pre-Export Verification of Conformity (PVoC) program
Carried out inspection and clearance of energy and chemical related imports for Uganda, in compliance with ISO/IEC 17020. Developed documents, publications and communication materials for the PVoC program. Audited the PVoC program's oversees inspection agencies. Carried out public sensitisation activities on 'quality and standards'.
- 08/2010 – 11/2011 **Coca Cola - Century Bottling Company, Kampala (Uganda)**
Role: Quality controller (in the Quality Assurance department)
Quality assurance work in the chemistry and microbiology laboratories during the blending and bottling of the Coca-Cola family of drinks and beverages.

CURRENT PROFESSIONAL MEMBERSHIPS

- 14/10/2020 – To date **Energy Institute (EI) www.energyinst.org ; EI Membership No: 0076368.**

COMPUTER SKILLS

Computer Skills: MS-Office (Excel, PowerPoint, Word), basics of Adobe suit, and basics of Energy and Climate software (RETScreen, PV*SOL, ArcGIS, QGIS, climPACT, R software/ RStudio)

REFERENCES

Available on request.