**CURRICULUM VITAE FOR EUNICE AKYEREKO ADJEI**

PERSONAL BRIEFS

Surname: Adjei

First and Middle Names: Eunice Akyereko

Professional Affiliation: Member, Ghana Institution of Engineers (GhiE), GH., Member, Chartered Institution of Building Service Engineering (CIBSE), UK, Member, Organisation for Women in Science for Developing World (OWSD), Member, Women is Science, Technology, Engineering and Mathematics Ghana (WiSTEM ), Member, Women in Engineering (WINE) and Fellow of The Brew-Hammond Energy Centre, KNUST ,Ghana

**Qualifications (Degree/Education) and Institutions with dates:**

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| PhD Sustainable Energy Technology, University of Nottingham, U.K: 2012-2017 |
| MSc Aerospace Dynamic, Cranfield University, U. K: 2005-2006 |
| BSc Mechanical Engineering, Kwame Nkrumah University of Science and Technology, Kumasi 2000-2004 |

**Selected Research Interest:**

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| Gender Equality, Gender Policy, Energy Efficiency, Energy Usage, Energy Policy and Environmental Climate Mitigation Measures |

**Employment Records & Position Held/Hold (with dates):**

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| Lecturer at Department of Mechanical Engineering: 2007-to date |
| Senior Lecturer at Department of Mechanical Engineering: 2020-to date |

**Selected Positions held and Committees served (with dates):**

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| 1. Member, Sub-Committee to Review Theme 4 of Plan 2K25, KNUST, Ghana 2021 |
| 1. Reviewer, [Journal of Materials Science Research and Reviews](http://www.journaljmsrr.com/) ,2021 |
| 1. Reviewer, International Journal of Energy- 2021-to date |
| 1. Coordinator of KNUST Hackathon Team, Winner of Devex World Hackathon challenge under the thematic area on Business Transforming Development Hackathon challenge, 2020. |
| 1. Reviewer, Alexandria Engineering Journal (Elsevier) 2020 to present |
| 1. Reviewer, Journal of Energy. 2020 -to date |
| 1. Secretary, The Brew-Hammond Energy Centre, Energy Management Team 2020 to present |
| 1. Monitoring and Evaluation Officer for KNUST Engineering Project Officer (KEEP) funded by World Bank African Centre of Excellence: 2019 to date |
| 1. Mentor for MiDA Ghana Power Compact Internship (Cohort 2): 2019 to date |
| 1. Member, Committee for Department of Mechanical Engineering Innovative Showcase, KNUST, Ghana 2019 |
| 1. Secretary, Review of Memorandum of Understanding between Aerospace Engineering (KNUST) and Andrews University, Michigan, KNUST, Ghana 2018 |
| 1. Member, Committee on feedback from Industries and Professional Bodies on Performance of Graduates of KNUST, November 2016-March,2017 |
| 1. Project and Seminar Coordinator KNUST Ghana: 2017- to date |
| 1. Secretary of Department of Mechanical Engineering Workshop and Laboratory Committee 2016-to date |
| 1. Patroness of Aerospace Engineering Association at KNUST 2007-to date |
| 1. External Assessor/ Moderator of Takoradi Technical University, December,2016-present |
| 1. Secretary, Committee for development of short to medium term plan for Aerospace Engineering, January,2009 |

**Grants/Funds won with dates:**

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| 1. Green Employment and Enterprise Opportunity in Ghana (GrEEN ) Project 2020-2021 |
| 1. KNUST Research Fund (KRef) 2018-2019 |
| 1. Implementation of Bio-Rural Energy Scheme for Ghana funded by Global Challenges Research Funds, U.K. (RIS 1066908) 2018-2019 |
| 1. Feasibility of integration of bio-energy schemes (IBRES) for Ghana under EPSRC-funded Grant Ref EP/R512849/1, U.K. 2017-2018 |

**Selected Publications (or Articles):**

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| **Eunice Akyereko Adjei**, Martina Baidoo, Richard Opoku and Rudith King (2021). Appraisal of Quality Education and Gender Equality in Higher Education; A case of KNUST Ghana. Prepared Manuscript |
| Richard Opoku**, Eunice A. Adjei**, Divine K. Ahadzie, Kofi A. Agyarko (Jan, 2020). Energy efficiency, solar energy and cost saving opportunities in public tertiary institutions in developing countries: The case of KNUST, Ghana. Alexandria Engineering Journal, Vol 59 (2020), 417–428. <https://doi.org/10.1016/j.aej.2020.01.011> |
| Godwin Ayetor, David Ato and **Eunice Adjei** (2020). Towards Zero Vehicle Emissions in Africa: a case study of Ghana. Journal of Energy Policy [Volume 143](https://www.sciencedirect.com/science/journal/03014215/143/supp/C), August 2020, 111606  . <https://doi.org/10.1016/j.enpol.2020.111606> |
| Richard Opoku; George Y. Obeng; **Eunice A. Adjei**; Francis Davis, Fred O. Akuffo (Mar,  2020). Integrated system efficiency in reducing redundancy and promoting residential  renewable energy in countries without net-metering: A case study of a SHS in Ghana.  Renewable Energy Journal (Elsevier), Vol 155 (2020) 65-78.  https://doi.org/10.1016/j.renene.2020.03.099 |
| Richard Opoku; **Eunice A. Adjei**; George Y. Obeng, Luc Severi, Abdul-Rahim Bawa (Mar,  2020). Electricity access, community healthcare service delivery and rural development  nexus: Analysis of 3 solar electrified CHPS in off-grid communities in Ghana. Journal of  Energy (Hindawi), Vol 2020 (Article ID 9702505) 1-10.  https://doi.org/10.1155/2020/9702505 |
| George Y. Obeng; Derrick Y. Amoah; Richard Opoku**;** Charles K.K Sekyere; **Eunice A.**  **Adjei**; Ebenezer Mensah (May, 2020). Coconut Wastes as Bioresource for Sustainable  Energy: Quantifying Wastes, Calorific Values and Emissions in Ghana. Journal of  Energies (MDPI), Vol 13 (2020) 2178. https://doi:10.3390/en13092178 |