

Engineering Education for Industrialisation in a Globalised World:

**Strengthening General Education at COE, KNUST: Industrialisation**

*Seminar delivered to the Faculty of Mechanical and Chemical Engineering, KNUST, Kumasi, on 12<sup>th</sup> March, 2020, by Prof Fred Ohene Akuffo, CEO, Aekosolar Enterprise*

The purpose of this seminar is to share ideas and information on General Education, including humanities and social science, as an essential and critical component of science, technology and engineering education in developing economies such as Ghana and other African countries. It is suggested that a general education programme organised under the theme ***Industrialisation in a Globalised World*** responds strongly and effectively to both Ghana's national development priorities and aspirations (***Coordinated Programme of Economic and Social Development Policies and Programmes, 2017-2024***) as well as the vision and mission of COE/KNUST. This seminar will share information on the history, geography, costs, benefits as well as defining characteristics of the industrialisation process, as a development tool. Ghana's industrialisation efforts since independence will be mentioned. Participants are expected to contribute information on general education programmes and related activities in their departments and faculties and their opinions on the proposed generation education theme.



**Prof Fred O Akuffo**  
CEO Aekosolar



Prof Fred Ohene Akuffo is currently CEO of Aekosolar Enterprise which he created in 2010 on his retirement from KNUST, Department of Mechanical Engineering, where he started his academic career in 1973. He served as head of department and also dean of the School of engineering. His subject area is thermo-fluids and energy systems and his research interest is renewable energy, particularly solar energy, including policy, technology and development issues. He served as a Board member of the Ghana Energy Commission (2001-2008), with oversight responsibility for the

Renewable Energy Division and as senior policy advisor to the Minister. 2005-2006. He was educated at Harvard University, Cambridge, Massachusetts, A.B (1966), major in engineering science and applied physics. He earned MEng (1969) and PhD (1973), mechanical engineering, University of Toronto, Ontario, Canada, for research and study in plasma dynamics.

**AEKO SOLAR ENTERPRISE**

**Engen Service Station, Aprade Junction, Kumasi-Accra Highway, PO Box UP 1773, KNUST. Kumasi**

**Email: [foakuffo@gmail.com](mailto:foakuffo@gmail.com)**

**Tel: 0243706932/032-206-0384**