

Engineering for the Future

Priority Area

Innovation and Technology

Abstract

Engineering plays a key role in solving complex global challenges including mitigating climate change, energy and food security, and public health. These challenges do not fall in a specific discipline nor are they limited to a single country, region, or continent. They must be addressed by applying interdisciplinary approaches across diverse geographical locations for impactful and effective solutions. The vision of our proposed Cluster is to provide an engineering training and research ecosystem that brings this insight through collaboration between African and European universities. The goal is to develop a cohort of PhD graduates who are trained in engineering research and development, as well as governance, leadership, inclusivity, and sustainability to drive excellence and underpin Agenda 2063 to make Africa a global powerhouse through working with government and industry.

Co-Leads (Academic, University)

_	
ARUA	The Guild
Prof. Wynand Steyn, Dean, Faculty of Engineering, Built	Prof. Barbara Shollock, Head of Department
Environment and IT	of Engineering
- University of Pretoria , South Africa	- King's College London, United Kingdom

Core Partners (Academic, University)

Prof. Elsie Effah Kaufmann, Dean, School of Engineering Sciences - University of Ghana, Ghana

Assoc. Prof. Dorothy Okello, Dean, School of EngineeringProf.

Rhoda Wanyenze

Prof. John Mango Magero

Makerere University, Uganda

Prof. Miha Moškon, Assoc. Prof. of Computer Science at the Faculty of Computer and Information Science

- University of Ljubljana, Slovenia

Prof. Victor Oluwasina Oladokun – University of Ibadan, Nigeria

Prof. Muhammed (MOH) Amuda – University of Lagos, Nigeria

Dr. John Obiero, Senior Lecturer and Chairman of the Dept. for Environmental and Biosystems Engineering Prof. Duncan Mbuge, Assoc. Prof. at the Dept. for Environmental and Biosystems Engineering

University of Nairobi, Kenya