

Personal Information

Date of Birth: Sept. 5th, 1990

Place of Birth: Kuwait

Religion: Muslim

Marital Status: Single

Qualifications

- MSc, Mechanical Engineering, University of Nottingham, UK, 2014.
- BSc, Mechanical Engineering, University of Khartoum, 2011.
- **Academic Awards and Scholarships**
- **Academic Awards:**

University of Nottingham	Developing Solution Scholarship
Physical Environmental Centre Khartoum (PECK)	Ellie Scholarship for Master's degree
University of Khartoum	Prize of best academic performance in faculty of engineering university of Khartoum
University of Khartoum	Prize for the best academic performance in Faculty of Engineering, Mechanical Engineering Dept. in 5 th class
Schlumberger	Prize of best academic performance in 2010-2011.
National Electricity Corporation	Prize for the best academic performance in Mechanical Engineering
The Sudanese Sugar Company	Prize for the best academic performance in Mechanical Engineering
Sudanese Ministry of Irrigation	Prize of best performance in Hydraulic Machines
University of Khartoum	Prize for the best academic performance in Faculty of Engineering, in 4 th class
The late Serkis Azmerlian	Prize of best academic performance in the Faculty of Engineering in the 4 th class
University of Khartoum	Prize for the best academic performance in the Faculty of Engineering in the 3 rd class

Professional Memberships

- Member of American Society for Mechanical Engineers, **ASME** (100713356),
- Member of Royal Aeronautical Society, **ReAS** (3011409).
- **Graduate Engineer**, Sudanese Engineering Council.
- Member of the Sudanese Engineers Society, **SES**.

Research

- Flow around Turbine/Compressor blades’.
- Two-Phase Flows, Gas-Liquid.
- Turbulence Flows.
- Energy management.
- Combustion.

Courses

- Computational Fluid Dynamics.
- Applied Thermodynamics.
- Computer Aided Drawing (AutoCAD and SolidWorks).
- Mechanics of Machines I & II.

Publications

Ahmed, D. E., Eljack E. M., 2014, ”*Optimization of model tunnel contraction using CFD*”, in progress for the 10th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT), Orlando, Florida.

Practical Experience

- Sudan Airways, engineering and maintenance department, 2009.
- One week training in GIAD Industrial City, Sudan, 2009.
- One week training in SINNAR Sugar Factory, Sudan, 2009.
- National Electricity Company (NEC), Sudan, 2009.
- Theory and applications of microcontroller, Malaysia, 2010.
- Menoufia University, Egypt, by the Arab Council for Training, 2010.

Certified Workshops

1. Capacity Building Program in Incubation Systems and Entrepreneurship, by UNIDO, University of Khartoum, 2016.
2. Quality Control in Academia, University of Khartoum, 2016.
3. Management Under Stress, University of Khartoum, 2016.