

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 5th 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 4th class

The late Serkis Azmerlian

Prize of best academic performance in the Faculty of Engineering in
the 4th class

University of Khartoum

Prize for the best academic performance in the Faculty of
Engineering in the 3rd 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.