CURRICULUM VITAE

Sakhr Babiker Abu Darag, Lecturer

Education

- M.Sc., Mechanical Engineering (Turbulence), Chalmers University of Technology, Sweden, 2004
- B.Sc., Mechanical Engineering, Sudan University of Science & Technology, Sudan, 2000
- International Diploma, Mechanical Engineering (Power), Nile Valley University, Sudan, 1996

Academic Appointment at SUST

- Total year of service: 7 years
- Chairman of Aeronautical Engineering Dept.: 2006 till now
- Lecturer, 2004

Other Related Experience (teaching, industrial, etc.)

- Technical Advisor, A/Aziz Air conditioning & Refrigeration Factory, Sudan, January 2000-July2000
- Technical Manager, Pack International Company Ltd., Sudan,1998-2000
- Mechanical Engineer, International Tyre Manufacturing & Distribution Co. Ltd., 1996-1998
- Installation of production line for Plastic Industrial Factory (Pack International Co. ltd.) together with a technician team from Holland (meaf machines b.v. Holland) 2000.
- Factory Layout & Installation of Production line of A/Aziz Air conditioning & Refrigerator Factory together with a technician team from (CAN ltd _ U.A.E) 2001.
- Design, supervision and implement of a complete Air duct cooling system with a capacity of 260 000cum/hr for a 3000 Sq. m. flat area 2002.

Membership in Professional and Scientific Societies

- Engineering Without Boarders, USA.

Publications (Last 5 Years)

1. Sakhr Abu Darag, Tomas Gronstedt," JT9D Individual Engine Performance Modelling" 2006, Sudan Engineering Society Journal, Volume 52, Number 46, ISSN: 0049-2469.
2. Khalid H. Sail & Sakhr B. Abu Darag, "A correction Factor for Pressure Distribution Analysis of an Aerofoil in a Subsonic Flow", 2007, Journal of Science and Technology.

Professional Development Activities:

1. Supervision of B.Sc. theses and projects, 2005.
2. Flow in Inlet Guide Vane's Passage 2004.
3. Experimental Project in Buoyant Plume & Natural Convection 2003.
4. Steady and Unsteady in Viscid Compressible Flow in Channel 2004.
5. Individual Aircraft Engine (JT9D) Performance Modelling 2004.
6. Optimization Task (Built up binary coded Genetic Algorithms) 2004.
7. Redesign & Production of Howitzer Jack 122mm DC Mechanical System 1997.
8. Effectiveness & Energy Balance Assessment of Pre _heat Train (Heat Exchanger) of CONCORP Refinery 2000.
9. Forklift Hydraulic and Mechanical Design 1997.
10. Rear Wing Aerodynamics Design 2004.