

Curriculum Vitae



Assistant Prof. Dr. Eng. Mohamed Attalla
Faculty of Engineering - Mechanical Power and Energy Dept.

South valley University

E-mail : moha_attalla@yahoo.com

El-Slame Street – Qena – Egypt

Telephone:

Work +2096 – 5330248

Home +2096 – 5337467

Fax: +2096 - 5339479

Mobile: +2010 – 9605485

PERSONAL DATA

- **Nationality** : Egyptian
- **Date of Birth** : December, 28, 1968
- **Place of Birth** : Qena, Egypt
- **Marital status** : Married

EDUCATION

1974-1980 Primary Education Qena, Egypt

- El Roda Primary School (Top 6 ranking student)

1980-1983 Middle Education Qena, Egypt

- El Tahrer Middle School

1983-1987 Secondary Education Qena, Egypt

- El Slame Secondary School

1987-1992 Higher Education El Minia, Egypt

- **August 1987 – May 1992 (11 Semester)**

Mechanical Engineering, Faculty of Engineering, El-Minia University with general grade `` Very Good`` and B. SC. Project with general grade ``Distinction``.

Master Degree Education

- **1994 - 1998 El-Minia, Egypt**

Faculty of Eng., El-Minia University, Power and Energy Department.

Ph.D. Degree Education

- **2002 – 2006** **Magdeburg - Germany**
Measurement of the Heat Transfer Nozzle Fields, Institute for Fluid Engineering and Thermodynamics, Faculty for Process and System Engineering, **Otto-Von-Guericke University of Magdeburg, Germany.**

PROFESSIONAL EXPERIENCE

- **Directress Executive**
Quality Assurance & Accreditation Project, Faculty of Engineering, QAAP2.
- **Assistant Professor**
Faculty of Engineering Department of Mechanical Engineering, Power and Energy Engineering, 2007.
- **Demonstrator**
High Institute of Energy, Power Station Dept.. Minister of High education 1994-2002.

CONFERENCES ATTENDED

- Experiential Heat and Mass Transfer, Achen University, Germany, May. 2004
- Fluid Flow and Heat Transfer, Cario, Egypt, October 2005.
- First Engineering Energy, Aswan,, Egypt, Des. 2008.

SKILLS

- **Languages**
 - Arabic : native
 - English : good
 - German : good
- **Computer**
 - MS-Words, Excel, PowerPoint: extensive experience
 - Internet Applications: extensive experience
 - Programming Languages: BASIC, FORTRAN, PASCAL, MATLAB, C++

RESEARCH STUDY

- Modelling and Simulation of Boiling and Condensation in Tube.
- Modelling and Simulation of Flow and Heat Transfer through a straight and curved tube.
- Modelling and Simulation of solution the Mass and Heat Transfer in tube and plate.
- Solution the Mass and Heat Transfer with (DNS) method.

- Modelling using Stage to Stage Calculations the heat transfer rate in cooling Tower.
- Heat Transfer from plate with Impact Flow by Means Infrared Camera.
- Design of Heat exchanger, Solar collector.
- Analysis the power consumption in pumping house.

TEACHING EXPERIENCE

- **Courses**

- Heat and Mass Transfer Study in Otto Von Gerigeke University – Germany.

- **Undergraduate Courses**

- Power Plant Station - Principle of Mechanical Measurements - Principle of Thermodynamic - Engineering Mathematic – Heat and Mass Transfer – Engineering Drawing – Fluid Mechanics – Water Source and Irrigation – Engineering Mechanics.

- **Postgraduate Courses**

- Advanced Heat and Mass Transfer – Internal Combustion Engine – Thermal Load – Refrigeration and Cooling – Heat Exchanger Design – Turbo machine.

TECHNICAL EXPERIENCE

- **Engineering Consultation and Training**

- Pumping House in University Hospital, Qena.
- Gas Pipe Line (Oxygen Pipe Line) in University Hospital, Qena.
- Central Air conditioning in University Hospital, Qena.
- Fire Housing in University Hospital, Qena.
- Operating and Maintenance of Submerged pump, Faculty of Agriculture, Qena.
- Operating and Maintenance of Pump, Water Company, Qena.
- Operating and Maintenance of Temperature Measuring and Calibration Methods, faculty of Engineering, Ben Sufi University.

- **Technical Consultation**

- Lab of Fluid Mechanics, Faculty of Engineering, Qena.
- Lab of Heat Transfer, Faculty of Engineering, Qena.
- Lab of Internal Combustion, Faculty of Engineering, Qena.
- Lab Cooling Room, Faculty of Medicine, Qenq

PUBLICATIONS

- **M. Attalla**, Ibrahim M. El-Mogazy, Nabel A. Kotop "Flow and Heat Transfer end Characteristics Through a U-Bend, the 4th int'l Symposium on Experimental and Computational Aerothermodynamics of Internal Flows", Dresden, Germany, Oct. 1999.
- **M. Attalla**, Ibrahim M. El-Mogazy, Nabel A. Kotop "Experimental and Theroetical Invetigation fro Flow and Heat Transfer Through a U-Tube Bend", Assiut Engineering Journal, Vol. 27, No. 2, pp. 147-160, July 1999.
- **M. Attalla**, E. Specht "Heat Transfer from Multiple Circular Jets" Experimental heat transfer Conference, 365-372, 2004.
- **M. Attalla**, E. Specht, "Heat Transfer Characteristics from In-Line Arrays of Free Impinging Jets" Heat and Mass Transfer, Springer, vol. 45, no. 5, pp. 537-543, 2009.
- **M. Attalla**, E. Specht, "Heat Transfer Characteristics from Arrays of Free Impinging Jets" ICCE-1, pp. 125- 131, Aswan, 2008.
- **M. Attalla**, M. S. Ahmed "Performance Study of Nozzle Geometry on Heat Transfer Characteristics – Part I Local Heat Transfer" WSEAS Proceeding of the 10th Int. Conf. on Heat Transfer, Thermal Engineering and Enviroment, Istanbul, Turkey, August, 21-23, 2012, pp. 42-47.
- **M. Attalla**, M. Salem " Experimental Study of Passive Solar Cooling in Hot Arid Regions Using Trombe Walls with Humidification" WSEAS Proceeding of the 10th Int. Conf. on Heat Transfer, Thermal Engineering and Enviroment, Istanbul, Turkey, August, 21-23, 2012, pp. 29-34.
- **M. Attalla**, M. Salem "Influence the Nozzle Shape on Local Heat Transfer in Impinging Jet" Int. Journal of System Application, Engineering and Development, Issue 6, Vol. 51, pp. 376-383, 2012.
- **M. Attalla**, M. Salem "Effect of nozzle geometry on heat transfer characteristics from a single circular free air jet" applied thermal Engineering, Vol. 51, pp. 723-733, 2013.
- **M. Attalla**, Areef M. A. Soliman, Ahmed Abd El-Naeem "Study to Enhance the Performance of Air Cooling System by Mixing Direct Expansion Unit and Chilled Water System" Intentional Journal of Engineering Science and Technology, applied thermal Engineering, Vol. 4, No. 12, pp. 4981-4989, 2012.
- **M. Attalla**, Soubhi A. Hassanein "Parametric Study on a Solar Still Located Egypt of Hot and Dry Climate" Intentional Journal of Engineering and Technology, applied thermal Engineering, Vol. 13, No. 1, pp. 46-51, 2013

REVIEWING COMMITTEE MEMBERSHIP

- American Society of Mechanical Engineering, ASME, International Journal of Heat and Mass Transfer.