

## PERSONAL INFORMATION



## Mohamed Khalil Ramadan

📍 Qena, Egypt

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Sex male | Date of birth 12/06/1985 | Nationality Egyptian | Status Married

## CURRENT STATUS

Teaching Assistant, Mechanical Engineering Department, Faculty of Engineering, Sohag University

## WORK EXPERIENCE

Oct, 2016 - Present

Teaching Assistant

Faculty of Engineering, Sohag University, Egypt.

[www.sohag-univ.edu.eg/](http://www.sohag-univ.edu.eg/)

Aug,2011 – Oct, 2016

Administrator

Faculty of Engineering, Sohag University, Egypt.

[www.sohag-univ.edu.eg/](http://www.sohag-univ.edu.eg/)

Assist professors for teaching undergraduate students, I have got good experience in teaching the following courses; Engineering Drawing, Fundamentals of Thermodynamics, Fluid Mechanics, Numerical and Programing, Machine Design, Material Science (I), Production Engineering, and Heat Transfer. Also my job includes assisting professors in research and preparing course materials for undergraduate students

Nov, 2007 – Aug,2011

Mechanical Engineer

Arab Swiss Engineering Company (asec), Qena, Egypt

[www.asecement.com/](http://www.asecement.com/)

Inspection engineer in Qena cement factory responsible for applying preventive maintenance program through machines and its parts, this Includes periodical checking and monitoring of machine parts. Sounds analysis, temperature monitoring, and mechanical vibration of different machines parts were the main features of my work. I have got great experience in utilities such as pumps, air filters, fans, compressors, and blowers and also in factory large equipment's such as vertical mill, kiln, and ball mill.

## EDUCATION AND TRAINING

Summer 2004(July & August)

Practical Training Certificate

From Sugar& Integral Industries Company SIIC, Qous, Qena, Egypt.

The training was about sugar industry, and identifying the factory machines and maintenance program used.

Summer 2005(July & August)

Practical Training Certificate

From MISR CEMENT CO., Qena, Egypt.

The training was about the cement industry, and identifying the factory machines and maintenance program used.

March, 2006

Educational Training Certificate

Certification from engineering education development centre, faculty of engineering, Assuit university, Assiut, Egypt

Engineering Drawing by AutoCAD program.

Summer 2006(July & August)	Practical Training Certificate From Aluminium Production Company, Nag Hammady City, Egypt. The training was about the industry, and identifying factory machines and maintenance program used.
May, 2006	Educational Training Certificate Certification from engineering education development centre, faculty of engineering, Assuit university, Assiut, Egypt Design using solid work 2006 program.
Sept,2002 – July,2007	BSc degree Faculty of Engineering, Assiut University, Assiut, Egypt Bachelor of Mechanical Engineering (power & Energy) with accumulative grade 81.60 %, very good with honour degree.
April, 2008	Honour certificate Faculty of Engineering, Assiut University, Assiut, Egypt. Certification from college of engineering for superior students in bachelor student's symposium.
May, 2009	Training certificate From SKF bearing company delegation centre, Cairo, Egypt. Training course key elements were; types of roller bearing, assembly and disassembly of roller bearing, damage and failure, and bearing vibration analysis.
25 to 27, Nov. 2013 17 to 18, March, 2013	Online training course ANSYS CFD online training, <a href="http://www.webex.com">http://www.webex.com</a> Introduction to ANSYN Fluent and its applications.
Oct, 2016	MSc degree Faculty of Engineering, South Valley University, Qena, Egypt Tittle, cooling an array of multiple electronic heat sources by a row of air impingement jets in cross flow configuration.

## PERSONAL SKILLS

Mother tongue(s)

Arabic

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B2	B2	B1
TOEFL iBT, with score77 on March, 2013 (expired)				

Communication skills

I have worked in both fields. Firstly through the site "asec company", I have interacted with other engineers, technicians, and workers with different ages and cultures. Secondly through the university "my recent job", deal with a variety of students and work with professors in teaching and research.

Organisational / managerial skills

From my first experience in the factory. I was a leader of 12 person team of technicians and workers. In my recent job, I am the leader of the scientific group which compose of 21 students. The work group write scientific articles about the new in sciences and engineering then publishes it through the faculty board.

## Job-related skills

I have the abilities to work under pressure, team work skills, and work for long time.

## Computer skills

Good command on Operating Systems, Microsoft Office, programming language (Fortran), AutoCAD and Matlap programs. And great knowledge and deal with ANSYS Fluent 14.0 packages.

## PUBLICATIONS

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1. Alexandria Engineering Journal  
Article in press (online)  
Numerical investigation of heat transfer and pressure drop of in-line array of heated obstacles cooled by jet impingement in cross-flow  
<http://www.sciencedirect.com/science/article/pii/S1110016817300029>
  2. ASME, Journal of Thermal Science and Engineering Applications  
Final production (accepted)  
Effect of jet position on cooling an array of heated obstacles.  
TSEA-16-1266 (Research Paper)
  3. Applied thermal engineering  
Paper under second revision (under review)  
Numerical investigation of convective heat transfer enhancement of single line array of heated obstacles in a channel cooled by jet impingement in cross flow using perforated board  
ATE-2016-11448R1

## REFERENCES

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- Prof. Dr. Mohamed Attia Mahmoud  
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Associate Professor, Mech. Power Eng., Faculty of Eng., South Valley University, Egypt  
Senior supervisor of MSc thesis.
- Dr. Hany Elsaid Fawaz  
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Lecturer, National Research Center, Dokki, Egypt  
Direct supervisor of MSc thesis
- Dr. Mahmoud Saber Youssef  
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Associate Professor. Mech. Power Eng, Faculty of Eng, Assiut University, Egypt  
Undergraduate lecturer