



Curriculum Vitae CV
Eng. Omar Ayed AL-Qudah
م. عمر عايد القضاة

Personal information:

Date of Birth 1983
Place of Birth AL-Karak
Nationality Jordanian
Marital Status Married
Home address The Hashemite Kingdom of Jordan – AL Karak City
E-mail address Algothahomar@yahoo.com

Current Position

AL- Balqa Applied University / Prince AL- Hussein Bin Abdullah II Academy of Civil Protection / Engineering Science Department

Education

- 2015- 2018 - M.Sc. Mechanical Engineering from Mu'tah University 2018 (85%, Excellent rank),
- 2001 - 2006 - B.Sc. mechanical engineering (thermal) from Mu'tah University 2006 (69.63%, good rank),
- 2001 - The General Secondary Education Certificate, Scientific Stream. (86.9 %)

Areas of Interest

- (Thermodynamic, Fluid Mechanics and Heat transfer)

Undergraduate Courses

- Heating Ventilation and air conditioning (HVAC), Refrigeration, Turbo machinery, Renewable energy Sources , Energy conversion, Internal combustion engines, Thermodynamic, Theory of machines, Automatic control, Automotive technology, Metrology, stress and strain analysis, and others topics.

Graduate Courses

- Advanced geometrical mathematics, Fluid Sciences – refractories, Research methodology, advanced numerical analysis, stress analysis, fracture mechanics, heat transfer and computational fluid mechanics, renewable energy systems.

M.Sc. -Thesis

- Organic Rankine Cycle Powered By Waste Heat Recovery and Solar Energy, Mutah University,2018

Experience

- (2007-2010) General Directorate of Civil Defense - Workshops (Diesel and Gasoline) departments.
- (2010-2013) General Directorate of Civil Defense - Training Center- Lecture in Drivers Training departments.
- (2013-2018) General Directorate of Civil Defense - Department of Prevention and Civil protection.
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- (2018 – 2020) Chairman of (Mechanical Engineering / Renewable Energy) Department - Prince Hussein bin Abdullah II Academy of Civil Protection.
- (2018 – present) MA university teacher in (Mechanical Engineering / Renewable Energy Department) .

Teaching Experience

(Subjects I taught)

- Differential Equations
- Mathematical Methods
- Static
- Numerical Methods
- Fluid Mechanics
- Communication Skills and Profession Ethics
- Engineering Drawing (Auto CAD)
- Fluid Mechanics Laboratory
- Strength of Materials Laboratory
- Engineering Measurement's
- Renewable Energy Systems
- Dynamic

Training (subjects)	Date	Place
Fundamental of Risk Assessments Process	2022	Prince AL- Hussein Bin Abdullah II Academy of Civil Protection
Wind Energy	2020	Center of Consultation and Training at The University of Jordan
Training of Trainers (TOT)	2020	The Arab International Society for Management Society (AIMICT)
Power Solar Cells	2020	Center of Consultation and Training at The University of Jordan
Design and Installion PV Solar Systems	2020	Center of Consultation and Training at The University of Jordan
Programing Using Matlab /Simulink	2019	The consultative center for science and technology (Jordan)
Revit (Mechanical)	2018	Engineering training center/Jordan Engineering Association (Jordan)
The art of dealing with the audience of officers	2013	General Directorate of Civil Defense(Jordan)
Basic Computer skills	2011	General Directorate of Civil Defense(Jordan)
Training on Recovery Crane WINCHES 30 ton capacity, based on Mercedes-Benz Actor's 3 4143 K Chassis.	2013	Galaxy for Towing Equipment Company Los Angeles - United State of America (USA)
Training on Caterpillar Trucks (loader 950 CG) operation and maintenance	2009	CAT -Jordan Tractor company (Jordan)
Firefighting prevention	2014	General Directorate of Civil Defense(Jordan)
Training on how to distinguish between Genuine Mercedes-	2008	Gargour Company - Agent of Mercedes in the Middle East (Jordan)

Benz Parts and Counterfeit
Products

Published Papers

- Natural and Mechanical Ventilations for Reducing the Severity of Hot Gases and Smoke in Fires of Large Stores , JJMIE Vol. 18 , No. 4
- Ventilation in Small-Compartment Fires: The Potential of Fire Retardancy, Engineering, Technology & Applied Science Research Vol. 14, No. 5

Conferences

- Energy Security in the Middle East University of Jordan (Jordan) , 2019

Computer skills:

- Microsoft Office {word, power point, excel,...}
- Network, Internet.

Other skills:

- Communication skills.
- Work in groups.
- Difficult working conditions.

Languages:

- Arabic (mother language)
- English (good command)

Professional affiliations

- Member in Jordan Engineering Association (JEA) from 2006.