



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 / Mechanical Engineering / Renewable Energy

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.

- (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

(Teaching an undergraduate students)

- 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

Training (subjects)

| <i>Training (subjects)</i> | <i>Date</i> | <i>Place</i> |
|---|-------------|--|
| 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 | 2013 | Galaxy for Towing Equipment Company Los Angeles - United State of America (USA) |
| Actor's 3 4143 K Chassis. | 2009 | CAT -Jordan Tractor company (Jordan) |
| Training on Caterpillar Trucks (loader 950 CG) operation and maintenance | | |
| Firefighting prevention | 2014 | General Directorate of Civil Defense(Jordan) |
| Training on how to distinguish between Genuine Mercedes-Benz Parts and Counterfeit Products | 2008 | Gargour Company - Agent of Mercedes in the Middle East (Jordan) |

Conferences

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

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.