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Curriculum Vitae Form

CURRICULUM VITAE

Nabeel A. Abu Shaban

Mechanical Engineering/Engineering and Technology,

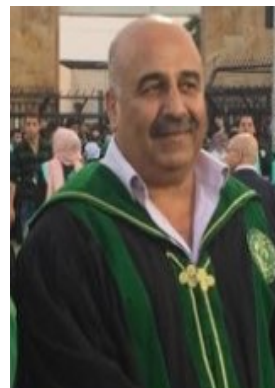
Al-Zaytoonah University of Jordan, Amman, Jordan

Phone: 0962 79 9953374

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Homepage:



1. Personal Data

Date of Birth: 1965

Nationality: Jordanian

2. Education

- Ph.D. (Mechanical Engineering) 2014, Jordan University, Amman, Jordan
- M.Sc. (Mechanical Engineering) 1997, Jordan University, Amman, Jordan
- B.Sc. (Mechanical Engineering) 1989 ,Aleppo University, Aleppo, Jordan

3. Ph.D. Dissertation

- *Investigation of Tri-Generation* , Jordan University, Amman, Jordan

4. Employment

Academic Positions

- Assistant Professor, Mechanical Engineering, Al-Zaytoonah University of Jordan, Amman, Jordan, January Sept., 2014 – now



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- Instructor, Mechanical Engineering t, University of Jordan, Amman 2002-2014

Administrative Positions

Head of Mechanical Department, Engineering and Technology, Al-Zaytoonah University of Jordan, Amman, Jordan– 2015-now

5. Research Interests

- Thermal power systems
- Solar energy, CSP systems
- Microfluid.
- HVAC
- Engineering Applications in Artificial Intelligent
- Energy and Exergy analysis.

6. Membership in Scientific Societies and Associations

- *Jordanian Engineers Association (JEA).*

7. Honors and Awards

- JEA Shield for JIME C2018 organizing committee.
- GCREEDER Shield 2017 organizing committee.

8. Fellowships and Scholarships

9. Teaching Experience

- **Graduate Courses**
 - CSP Systems.
 - Advanced Mathematics.

Undergraduate Courses

- Solar radiation
- Strength of Materials
- Engineering Economy
- Power plant
- Statics
- Engineering Drawing
- HVAC



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- Refrigeration systems
- Engineering Measurement
- Thermodynamics.
- Thermodynamics.

10. Supervision of Graduate Research

11. Grants

- Building Sustainable Green Park, 2015, ZUJ, 65000 JD.
- Data mining of PV performance, 2016, ZUJ, 7500 JD.

12. Patents

13. Membership of Committees

- JEA

14. Professional and Scientific Meetings

Scientific Meetings Organized

- **Organizing Committee**, the Fifth *Global Conference on Renewable and Energy Efficiency for Desert Regions (GCREEDER)*, 2015.
- **Organizing Committee**, Zaytoonah University International Engineering Conference on Design and Innovation in Sustainability 2014 (ZEC Sustainability 2014), 2014.
- **Organizing Committee**, the Fourth *Global Conference on Renewable and Energy Efficiency for Desert Regions (GCREEDER)*, 2013. *on Renewable Energy and its Future in the Arab world 2013*, 2013.
- **Organizing Committee** EPPM 2017 international conference.
- **Organizing Committee**, the ninth *Global Conference on Mechanical Engineering JIMEC2018*, (2018).

Participation in Scientific meetings

- **Participant**, the Fifth *Global Conference on Renewable and Energy Efficiency for Desert Regions (GCREEDER)*, 2015.
- **Participant**, Zaytoonah University International Engineering Conference on Design and Innovation in Sustainability 2014 (ZEC Sustainability 2014), 2014.



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- **Participant**, the Fourth *Global Conference on Renewable and Energy Efficiency for Desert Regions (GCREEDER)*, 2013. *on Renewable Energy and its Future in the Arab world 2013*, 2013.
- **Participant** EPPM 2017 international conference.
- **Participant** JIMEC2018

15. Participation in or organization of curricular and/or extra-curricular activities

16. Publications

1. -M. S. Ashhab, N. Abu Shaban and A. Olimat, Neural Net Based Optimization of Wet Thermal Lateral Oxidation Rates, *Sensors & Transducers*, Vol. 133, No. 10, 2011, pp. 8-17
- 2- M. S. Ashhab, A. Oimat and N. Abu Shaban, Prediction of the Surface Oxidation Process of AlCuFe Quasicrystals by Using Artificial Neural Network Techniques, *Sensors & Transducers*, Vol. 128, No. 5, 2011, pp. 55-65.
- 3- Safwan M. A. Al-Qawabah, **Nabeel Abu Shaban**, Ahmad Al-Aboshi. Investigation of Roller burnishing Process on the Mechanical Characteristics, and Microhardness of Al-4% wt.Cu Under Hot Work Conditions. 2018 Lecture Notes in Mechanical Engineering. Springer International Publishing AG, part of Springer Nature 2018.
- 4 - Abdullah N. Olimat , Ahmad S. Awad , Faisal M.AL-Gathainc, **Nabeel Abu Shaban**. Performance of Loaded Thermal Storage Unit With A Commercial Phase Change Materials Based on Energy and Exergy Analysis. *Int. Journal of Renewable Energy Development* 6 (3) 2017: 283-290.
- 5- Shahnaz Al Khalil and Nabeel Abu Shaban, Design and Evaluation of Performance of Solar air Heater, *International Journal of Mechanical Engineering and Technology (IJMET)*, ISSN Print: 0976-6340 and ISSN Online: 0976-635.

Conference Publications:

- 1: **Nabeel A.Abu shaban, A.maaitah,a. Salaymeh** Performance and evaluation of adsorption chillers powered by solar energy by means of ptc's in Jordann., 5th. JIIRCRAC'15, Aqaba-Jordan, 11 – 14 march.2015 .
- 2: Malik Amayre, **Nabeel Abu Shaban,et al** ,Design of High Efficiency Aggregate Air Cooling System ,Proceedings of the 2nd Thermal and Fluid Engineering Conference, TFEC2017 4th International Workshop on Heat Transfer, IWHT2017 April 2-5, 2017, Las Vegas, NV, USA.



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3. **Nabeel Aboshaban**, Eman Abdelhafez, Al Aboushi, ESTIMATION OF POWER PRODUCED BY PV GENERATOR USING DATA MINING: A CASE STUDY..

<http://conferences.ju.edu.jo/en/gcreeder2018/Home.aspx>.

4. Nabeel Abu Shaban, et al , Combustion of olive cake. JIMEC2018.

5. Nabeel Abu Shaban, et al , Performance of sustainable green park. JIMEC2018.

6. Nabeel Abu Shaban, et al , Green drying of Tomato by designed air solar heater .JIMEC2018.