



# CURRICULUM VITAE (C.V)

## PERSONAL

**Name** Dr. Ali .M. Othman  
**Date & place of birth** 17 October 1957,  
**Marital status** Married, Two kids  
**E-Mail** [ali\\_othman57@hotmail.com](mailto:ali_othman57@hotmail.com), [am.othman@zuj.edu.jo](mailto:am.othman@zuj.edu.jo)  
**Citizenships** European(Slovakian) , Jordanian ,  
**Languages** English, Arabic, Czech & Slovak: Fluent speaking, writing

## EDUCATION

**Feb.1987 - Oct.1990** Ph.D. in Mechanical Engineering, Construction of Power Machines and Devices, Slovak University of Technology in Bratislava, Czechoslovakia  
**Sep.1979 - Jul.1986** B.Sc. / M. Sc. in Mechanical Engineering, Construction of Power Machines and Devices, Slovak University of Technology in Bratislava, Czechoslovakia  
**M. Sc. Thesis Title** Draining Pump Station Design  
**Ph.D. Thesis Title** Control Optimization of Pumps Regulation by Pre-distributor

## EMPLOYMENT

**2017 - Now** Associate Professor , Al-Zaytoonah University of Jordan, Jordan  
**Sept-2012 – 2017** Associate professor Taiba University KSA  
**Oct. 1991 - 2012** Associate & Assistant Professor, Philadelphia University, Amman, Jordan  
**Jun.2001- Oct.2001** Canadian Residence

## OCCUPATIONS

**2017 - Now** Head of Alternative Energy Department, Al-Zaytoonah University of Jordan  
**2014 - 2017** Head of Mechanical Engineering Department, Taiba University- KSA  
**2007- 2012 & 1994-205** Head of Mechanical Engineering Department, Philadelphia University, Amman, Jordan  
**Sep.1999-Aug.-2001** Chairman of Mechatronics Engineering Department, Philadelphia University, Amman, Jordan

## SUBJECTS TAUGHT

- |  |   |
|--|---|
| 1. Heat Transfer 1 & 2                     | 2. Design of Sanitary Systems           |
| 3. Fluid Mechanics 1 & 2                   | 4. Instrumentation and Measurements Lab |
| 5. Thermodynamics 1& 2                     | 6. Mechanical Systems for Architectures |
| 7. Hydraulic Machines                      | 8. Engineering Mechanics                |
| 9. Air-Conditioning I &2                   | 10. Mechanical Drawing                  |
| 11. Instrumentation and Measurements       | 12. Engineering Drawing                 |
| 13. Capstone Design Project I & II         | 14. Reverse Engineering                 |
| 15. Heat Transfer and Fluid Mechanics Labs | 16. Special Topics in ME                |

## GRADUATE COMMITTEES

### Member of preparatory committees for MSc program in:

1. MSc program in Mechatronics Engineering - TEMPUS
2. MSc program in Renewable Energy
3. MSc Building Service program

## COMMITTEES AND COUNCILS

1. University Council
2. Chairman of Faculty Investigation Committee
3. Chairman of faculty examination committee
4. Chairman of department quality assurance committee
5. Faculty quality assurance committee
6. University scientific Council
7. University Tender Committee

8. Chairman of Technical committee of laboratories of mechanical & mechatronics departments
9. General accreditation committees -mechanical and mechatronics departments
10. Faculty & Department curriculum committee
11. Coordinator of inventors follow-up committee in Engineering faculty
12. Member of award committee of best invention in Jordan

## CONFERENCES & WORKSHOPS - ORGANIZATION EXPERIENCES

- EU Sustainable Energy Week, Brussels- Belgium 16<sup>th</sup> – 23<sup>rd</sup> June 2012- participation
- Member of Permanent Editorial Board for mechanical engineering conferences organized by Jordan Engineering Association "JEA"
- Member of Scientific Committee of Global Green Techies Forum & Exhibition 2010 GTFEX 2010, Amman – Jordan 20-22 September 2010.
- Secretary of 7<sup>th</sup> Mechanical Engineering Conference, JIMEC`7, Amman, Jordan, 26-29 September 2010
- Chairman of organizing committee of Fifth Scientific Engineering Day, faculty of engineering and Jordan engineering association-17 May 2010
- Vice Chairman of 6<sup>th</sup> Mechanical Engineering Conference, JIMEC`6, Amman, Jordan, 22-24 October 2007
- Secretary, Chairman of Scientific, Finance and Reception Committees of the First, Second, Third and fourth International Engineering Conference, Philadelphia University (1995, 1997,1999,2001,2003 and 2006)
- Chairman of organizing committee of the workshop “Recovery of Waste energy “Oct 2005 , RSS, Philadelphia University under the patronage of Prime Minister of Jordan
- Chair of the organizing committee of the workshop “Perspectives of Energy in Jordan” organized by Center of Future Studies in Philadelphia University and Higher Council of Science and Technology at RSS under the Patronage of Minister of Energy and Natural resources-Amman, Jordan, May 2006.
- Committee of Consulting & Judgment- First Lego League FLL-Branch of Renewable Energy-15-16 Dec.2007
- Member of accreditation committee /ministry of higher education for community colleges in Jordan
- Member of the Ministry of higher education achievement exam committee for mechanical engineering programs in Jordan
- Member of organizing committee of The Fourth National Technology Parade, 2011

## FUNDED PROJECTS & RESEARCH GRANTS

Title	Amount	Duration	Funding Organization
1. Jet Engine Design	16,000 USD	1 year	Applied Education Institution in Kuwait
2. Multipurpose Tethered Aerial Monitoring	9,000 USD	1 year	KADDB
3. Improving of thermal resistance Building Blocks	700 USD	18 months	Philadelphia University
4. Faculty for each Factory Program	6,000 USD	6 months	Al-Arabia Pharmaceutical Company
5. Thermal properties of Palm trees Fiber	16,000 USD	18 months	Taibah university

## ESTABLISHMENT OF MECHANICAL & MECHATRONICS ENGINEERING DEPARTMENTS

Preparing study plans of the following undergraduate engineering programs:

- ✓ Mechanical Engineering
- ✓ Mechatronics Engineering
- ✓ Electro-Mechanical Engineering

Preparing and following up accreditation requirement of mechanical engineering (1991-1996) and Mechatronics departments (2000-2004) as follows:

- Study plans
- Course outline for all subjects of the study plans
- Instrumentations, equipment, tools and test rigs needed for both departments
- Textbooks, books, reference books, scientific journals and advanced software required for teaching subjects and laboratory's equipment.

## LABORATORIES

Preparing the technical specifications and studying the tenders of the equipment, test rigs of the following laboratories in both ME & Mechatronics departments:

- |                                  |  |
|----------------------------------|--|
| ✓ Heat Transfer lab              | ✓ Engineering Workshops                                |
| ✓ Mechanical Measurements Lab    | ✓ Fluid Mechanics Lab                                  |
| ✓ Automatic Control Lab          | ✓ Strength and Properties of Engineering Materials lab |
| ✓ Mechatronics Lab               | ✓ Internal Combustion Engines lab                      |
| ✓ Automation and Fluid Power lab |  |

## AWARDED GRADUATION PROJECTS

- Second award in the competition of Graduation project of Engineering Faculties in Jordan Universities 2008-Organised yearly by Jordan Engineering Association
- High score in courses evaluation by students (85-95%) for 15 years

## PUBLICATIONS

1. Utilization of the Trombe Wall in Hot Climate Regions: Jordan as a Case Study, Ali M. Othman, Adnan O.Zaid ,International Journal Of Scientific & Engineering Research, Volume 7, Issue 12, Dec.2016
2. Experimental Investigation of Thermal conductivity of Natural Palm Tree Trunk's Tissues and Fibers Ali M. Othman, Adnan O.Zaid,Omar Badran, International Journal Of Scientific & Engineering Research, Volume 7, Issue 7, July-2016
3. Scope of Utilization of a Hybrid System of Solar and Wind Energies as a Storage System in Palestine, Adnan O.Zaid ,Ali M. Othman, Ahmad O. Mostafa, International Journal of Scientific & Engineering Research, Volume 7, Issue 7, July-2016, P: 22-28
4. Utilization of Solar Energy as a Thermal Energy Storage System in Palestine, Adnan O.Zaid Ahmad O. Mostafa, Ali M. Othman, International Journal of Scientific & Engineering Research, Volume 7, Issue 6, June-2016, p.1083-1087
5. Experimental Investigations of the Effect of some Insulating Materials on the Compressive Strength, Water Absorption and Thermal Conductivity of Building Bricks, Ali.M.Othman, Jordan Journal of Mechanical and Industrial Engineering, Volume 4 , Number 4 ,September 2010, Pages (190-197)
6. Design of Economical Equipment for Water and Fuel Level Detection in Jordan, Ali. M. Othman, American Journal of Applied Sciences 5 (5): 473-478, 2008
7. A Study of The Human Body Vibration Resulted From Off-Road Vehicles, A.M.Othman, Nidal H. Abu-Hamden, ICCE-11, USA-Aug-2004.
8. Transient Free Convection Fluid Flow in a Vertical Microchannel as Described by the Hyperbolic Heat Conduction Model.A.F.Khadrawi, Ali.M. Othman .M.A.AL-Nimr, International Journal of Thermo physics,Vol.26 No.3,May 2005.
9. An Experimental Study and Mathematical Simulation of Wheat Drying, Nidal H. Abu-Hamden, A.M.Othman, Drying Technology, Vol.22, No. 3, pp. 491-506,2004.
10. Basic Viscoelastic Fluid Flow Problems Using the Jeffreys Model, .A.F.Khadrawi, M.A.AL-Nimr.Ali.M. Othman, Journal of Chemical Engineering Science, Volume 60, Issue 24, December 2005, Pages 7131-7136
11. Non- Darcy Forced Convection for laminar Incompressible Boundary Layer Flow (The family of Wedge and Cone Flows in Porous Media).A.F.Kadrawi, Ali.M.Othman ,M.A.AL-Nimr, International Journal of Heat and Technology, Volume 23, n.2, December 2005
12. Economical Investigation of Pump's Regulation Field by Analytical-Numerical Method, Ali.M. Othman – Journal of Mechanical engineering-Vol. 60, No. 1, 2009, pages 33-47
13. Experimental Study of a Steady State Flow in a Thermosyphon Loop System, S.J.Sulaiman Jalood,Ali.M.Othman– Dirasat Journal- Engineering Science,Volume 35, No.1, April, 2008
14. Control Optimization of Pumps Regulation by Pre-distributor, Scientific Report, Department of Hydraulic Machines and Mechanisms, SVST, Bratislava, Czechoslovakia.1990.

## COMPUTER SKILLS

- MS Word, MS Excel, MS Power Point , AutoCAD , SIGMAPLOT 12, IHT 4

## TRAINING & WORKSHOPS

- Fluent Introductory Course with GAMBIT, Fluent Codes Ltd, 4-7 of September, 2004
- Application of Solar thermal Energy in the Mediterranean Basin Training Course, organized by EU(ADEME),PEC,NERC June 30- July 3, 2003, Amman, Jordan

## REFERENCES

1. Professor.Adnan Kilany, faculty of Engineering and Technology, Jordan University, Amman , Jordan, Mobile 0096279930054, 009627772481393  
E.mail: [a\\_kilani@hotmail.com](mailto:a_kilani@hotmail.com)
2. Professor. Mohammed Othman, Jordan University of Science and Technology(JUST), Irbid, Jordan, , Mobile : 00962795936824,  
E.mail : [mothman@just.edu.jo](mailto:mothman@just.edu.jo)
3. Professor, M.A.AL-Nimr, Mechanical Engineering department, Jordan University of Science and Technology(JUST), Irbid, Jordan, Mobile : 00962795936046  
Email: [malnimr@just.edu.jo](mailto:malnimr@just.edu.jo)