



## CURRICULUM VITAE

Name : Talal M-N Abu Mansour

Position : Associate professor

### Address:

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### Qualifications:

- Ph.D. UMIST, 1988, UK
- M.Sc UMIST, 1981, UK
- B.Sc KFUPM, 1977, KSA

### Courses Taught:

- ME - 110 ENGINEERING GRAPHICS
- ME - 241 ENGINEERING MECHANICS( STATIC)
- ME - 242 ENGINEERING MECHANICS( DYNAMIC)
- ME - 371 MECHANICS OF MATERIALS
- ME - 425 PLASTICITY AND METAL FORMING
- ME - 498 SPECIAL TOPICS ( IMPACT I)
- IE - 201 INTRODUCTION TO ENGINEERING DESIGN

### Skills:

- Finite Element Programs such as ABAQUS
- BASIC and FORTRAN
- WINDOWS and MS OFFICE
- Blackboard Collaborate.

### Supervisor and Examiner of:

Money B.Sc Projects and M.Sc Thesis in different fields, such as energy absorption by plastic deformation and/or splitting, peening, lubrication, photoelasticity, and medical.

### Conferences and Seminars:

1. Ninth seminar for industrial security,
2. First Saudi seminar about energy and its application,
3. Seminar about indicators for students and teachers
4. Seminar about development and evaluating means of university teaching,
5. Seminar about development of evaluating curriculum,
6. Seminar about Internet and Intranet,
7. The fourth Saudi engineering conference,
8. The fifth Saudi engineering conference,
9. The sixth Saudi engineering conference,
10. The first international conference on e-Learning and Distance Learning, Riyadh 2009G-1430H.

### Workshops:

- Fatigue and Fracture Mechanics Training
- A learning Centered Approach to Engineering Education for the 21<sup>st</sup> Century: King Abdulaziz University
- A six week workshop " Introduction to Engineering Design"
- MatLab software usage
- LabView applications
- Strategy for teaching university students
- Successful E-Learning Management Program
- Measure of Learning Outputs of Higher Education in National Center for Assessment in Higher Education, Sat 7/1/2012G.

### Responsibilities:

#### a) Northern Border University( NBU):

- i. Dean of Faculty of Engineering from 2008 to 2013G
- ii. Member of consultant deans committee
- iii. Member of permanent committee for scholarship and training
- iv. Member of the referee of the final draft of an e-Learning and Distance Learning
- v. Supervisor of administrative development department

#### b) King AbdulAziz University( KAU)

- Involved in many committees inside the department of Production and Mechanical System Design, and the college,
- Supervision of different laboratories,
- Chairman of the department for different period,
- Supervisor of the academic affairs,
- Director of higher education
- Chairing the technical session entitled " Industrial Planning" . The sixth Saudi engineering conference
- Coordinator of the engineering drawing diploma for two periods

M.Sc Dissertation:

THROUGH THICKNESS PROPERTIES OF GLASS REINFORCED  
PLASTIC LAMINATES

Ph.D Thesis:

THE DYNAMIC RESPONSE OF DOUBLE SKIN CONCRETE TUBE  
SUBJECTED TO INTERNAL LOADING AS RELATED TO OIL WELLS

Publications:

1. R. Kitching, A. L. Tan and T.M-N. Abu-Mansour. The Influence of Through Thickness Properties on Glass Reinforced Plastic Laminate Structure. Composite Structure, vol.2, No.2, 105 -151, 484.
2. A. Al-Ghamdi, A.K.Al-Kalay, T.M. Abu Mansour, and M. Akyurt. Absorption of Energy by Frusta. Journal of Islamic Academy of Sciences 5:5-14, 1992.
3. G. A. Nassef and T. M-N. Abu Mansour. Shot Peening by Hard Steel Balls. PEDAC'92, 5th International Conference. Dec.27-29, 1992,vol.2. Organized by Dep. of Production Eng. University of Alexandria, Egypt.
4. A. Thwainy, M. Akyurt, and T. M. Abu-Mansour. Choice of a Service System for Palm Trees. Agricultural Technology. Journal of Islamic Academy of Sciences 6:1,1993.
5. T. M. Abu Mansour and G. A. Nassef. Effect of Tumbling on Fatigue live. Alexandria Engineering. Journal, vol.34, No.3, July 1995.
6. M. Zaki, M.A. Hamed, T.M. Abu-Mansour and R.M. Al-Qassemi. Finite Element Analysis of National and Artificial Hips. The Fourth Saudi Engineering Conference. Nov. 5-8, 1995, Vol.4 Jeddah, K.S.A.

7. M. Zaki, M.A. Hamed, and T.M. Abu-Mansour. 3D Finite Element Analysis of Natural and Artificial Hip Joints. Proc. of the international mechanical engineering congress & exposition, San Francisco, USA, 1995.
8. A. A. N. Aljawi, S. T. S. Al-Hassani, and T. M. Abu-Mansour. Plastic Deformation and Failure of Thin Plates Subjected to Impact Loading. The fifth Saudi engineering conference.
9. T. M. Abu-Mansour and A. A. N. Aljawi. Investigation of Axially Compressed Plastic Tubes as Impact Energy Absorbers. The fifth Saudi engineering conference.
10. Kably, M. A. Hamed, and T. M. Abu-Mansour. "Investigation of Photoelastic Digital Image with Boundary Element Method for Applications in Solid Mechanics". The Arabian Journal for Science and Engineering, Volume 26, Number 2B. KFUPM, SAUDI ARABIA, 2001.
11. A. A. A. Alghamdi, A. A. N. Aljawi, T.M. Abu-Mansour, R. A. A. Mazi. Axial Crushing of Frusta between Two Parallel Plates. Proc. of the Seventh International Symposium on Structural Failure and Plasticity (IMPLAST 2000), Melbourne. Australia, 2000
12. A. A. A. Alghamdi, A. A. N. Aljawi, T.M. Abu-Mansour. Modes of Axial collapse of unconstrained capped frusta. International Journal of Mechanical Sciences 44 (2002) 1145-1161.
13. A. A. N. Aljawi, A. A. A. Alghamdi, T.M. Abu-Mansour, M Akyurt. Inword Inversion of capped-end frustum as impact energy absorber. Thin-Walled Structures 43 (2005) 647-664.

14. I. M. Masoud, T Abu Maansour , J. A. Al-Jarrah. Effect of Heat Treatment on the Microstructure and Hardening Properties of 6061 Aluminum Alloy. Journal of Applied Sciences Research, 8( 10): 5106-5113, 2012. ISSN 119-544X
15. J. A. Al-Jarrah, S Sawallha, T Abu Mansour, I. M, Masoud, M. Al-Rashdan, D. A. I-Qahsi. Optimization of Friction Stir Welding Parameters for Joining Aluminum Alloys Using RSM. Adv. Theor. Appl. Mech., Vol. 6, 2013, No.1, 13-26. HIKARI Ltd, www.m-hikari.com
16. S Sawallha, J Jaber , T Abu Mansour. Prospects of solar power generarion in dry regins: the case of Arar in KSA. International Conference on Renewable Eneedrgies and Power Quality ( ICREPQ'13)Bilbao(Spain), 20 to 22 March2013.  
on Renewable Energy and Power Quality Journal( RE&PQJ), ISSN 2172-038 X, No.11, March 2013
17. T Abu Mansour, S Sawallha, N Salem. A Mathematical model for solar assisted automobile A/C based on absorption refrigeration system. International Journal of Mechanical Engineering( IJME), ISSN 2319- 2240, Vol. 2, Issue 4, Sep 2013, 75-86. ©IASET
18. S Sawallha, T Abu Mansour, N Salem, M L Shaban. Steering speed suspension device( TRIPLE " S " DEVICE), to prevent Burnouts-Tafheet phenomena . International Journal of Mechanical Engineering( IJME), ISSN 2319- 2240, Vol. 2, Issue 4, Sep 2013, 1-8. ©IASET
19. J. A. Al-Jarrah, S Sawallha, T Abu Mansour, I. M, Masoud, M. Al-Rashdan, D. A. I-Qahsi. Welding equality and mechanical properties of aluminum alloys joints prepared by friction stir welding .

Materials and Design 56 (2014) 929-936. Journal homepage:  
[www.elsevier.com/locate/matdes](http://www.elsevier.com/locate/matdes)

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