

# **Mechanical Engineering**

**Year 2009**

## ***Conference Papers***

1. Mohammad M., **Khashan S.**, Elnajjar E., "Numerical Investigation of Dimpled Surfaces to Enhance Energy Recovery and Heat Transfer" The 10<sup>th</sup> Annual U.A.E. University Research Conference, April, 2009.
2. Elnajjar E., **Khashan S.**, Mohammad M., Acoustic Excitation of instability waves in free Shear Layer of an Axi-Symmetric Cylinder, The Tenth Annual U.A.E. University Research Conference, April, pp. 841-849, 2009.
3. Hamdan, M. O. and Al-Nimr, M.A., "Thermal Augmentation in Internal Cooling Passage by Converting Impingement Jet to Induced Swirl Flow", 6th International Conference on Computational Heat and Mass Transfer, Proceedings of 6th ICCHMT, May 18–21, 2009, Guangzhou, CHINA, pp. 257-262.
4. Hamdan, M. O. and Elnajjar, E., "Loop Heat Pipe: Simple Thermodynamic Model", Proceedings of World Academy of Science, Engineering and Technology, Vol. 40, April 2009, ISSN: 2070-3740, pp. 161-167.
5. Hamdan, M. O., Khashan, S., Elnajjar, E., "Numerical Investigation of Dimpled Surfaces to Enhance Energy Recovery and Heat Transfer", Proceedings of the Tenth Annual Research Conference, Al-Ain, UAE, April (2009), pp. 883-888.
6. Elnajjar, E., Khashan, S., Hamdan, M. O., "Acoustic Excitation of instability waves in free Shear Layer of an Axi-Symmetric Cylinder", Proceedings of the Tenth Annual Research Conference, Al-Ain, UAE, April (2009), pp. 841-849.
7. A.-H.I Mourad, and Aladdin Abu-Assi, Effect of machining process on stable crack growth, Proceedings of the PVP2009, 2009 ASME Pressure Vessels and Piping Division Conference, July 26-30, 2009, Prague, Czech Republic.
8. Beckry Abdel-Magid, Abdel-Hamid Mourad, Tamer El Maaddawy, "Durability of FRP Composites Exposed to Sea-water and High Temperature": Seventh International Conference on Composite Science & Technology (ICCST/7), American University of Sharjah, January 20-22, 2009.
9. Mohamed Younes and Abdel-Hamid I. Mourad, "On the awareness of UAE University engineering students with some ABET accreditation process elements, INQAAHE 2009 Conference, Abu Dhabi, UAE, March 30 – April 2, 2009. Published as a poster.
10. Mohamed, Y. E. Selim, Salah B. Al-Omari and Abdallah J. Al-Aseery, Effects of Steam Injection to Dual Fuel Engine on Performance, Noise and Exhaust Emission, SAE Paper 2009-01-1831 / 09SFL-0039, SAE 2009 Powertrains, Fuels & Lubricants Meeting, Florence, Italy, June 15 – 17, **2009**.
11. Mohsen Abdelaal, Hany Moneib, Mohamed, Y. E. Selim, Osama A. Abdallah, Effects of Diluting the Intake Air of SI Engine with Argon Inert Gas on the NO<sub>x</sub> Emissions and Performance, SAE Paper 2009-01-1186, The SAE 2009 World Congress, Detroit, Michigan, USA, April 20-23, **2009**.
12. Mohamed Y. E. Selim and Abdel-Hamid I. Mourad, On the Awareness of Engineering Students with ABET accreditation Elements, The 10<sup>th</sup> Biennial INQAAHE Conference, The Commission

for Academic Accreditation, Beach Rotana Hotel, Abu Dhabi, UAE, March 30<sup>th</sup> – April 2<sup>nd</sup>, 2009.

13. Mohamed Younes E. Selim and Mohamed a. Al-Bayywomi, Application of ethics criteria to engineering profession: case study of engineering students at the UAE University, SEE09 Symposium, UAE University, May 16-18, 2009.
14. Mohamed Y. E. Selim, K. El-Sawy, and Y. Haik, On the use of electronic academic advising tools to promote higher quality engineering education, SEE09 Symposium, UAE University, May 16-18, 2009.
15. **Samir A. Emam** and Aly El-Domaity, A refined energy-based model for the friction stir welding, Proceedings of world academy of science, engineering and technology, 41, 1016-1022, May 2009, Tokyo, Japan.
16. **F. Omar** and A. Gaouda, “Gearbox Diagnostics Using Wavelet-Based Windowing Technique” the 7th International Conference on Modern Practice in Stress and Vibration Analysis conference, organized by the Stress and Vibration Group of the Institute of Physics in Cambridge, UK, September 8-10, 2009.
17. Kamal A.F. Moustafa, **Farag Omar**, Khalifa H. Harib, “On Control of a Class of Overhead Cranes via Monte Carlo Simulation”, International Conference on Automation, Robotics and Control Systems, ARCS-09, Orlando, Florida, USA, July 13-16, 2009.
18. Aldajah, S., Haik, Y, and Moustafa, K.A., “Engineering Students’ Learning Styles, a Comparative Study,” Proceedings, Symposium on Engineering Education SEE09, May 16-18, 2009, Al-Ain, UAE.
19. Moustafa, K.A, Omar, F., Hareb, K., “On Control of a Class of Overhead Cranes Via Monte Carlo Simulation,” Proceedings, 2009 International Conference on Automation, Robotics, and Control Systems, (ARCS-09), Orlando, FL, July 13-16, 2009.
20. Abu-El-Yazied, T., Abu-El-Haggag, S., Moustafa, K.A., and Al-Meshael, E., “Some Investigation on the Vibration of Overhead Transmission Lines,” Proceedings, 13<sup>th</sup> International Conference on structural and Geotechnical Engineering (13<sup>th</sup> ICSGE), Cairo, Egypt, December 27-29, 09.

**Books**

**Edited Books**

**Book Chapters**

**Patents**