

Mechanical Engineering

Year 2010

Conference Papers

1. **Saud A. Khashan**, Yousef Haik. and Emad Elnajjar, Magnetophoresis and Diffusion Interactions involving the Transport of Magnetic Microparticles, 7th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics HEFAT2010, Antalya, Turkey, July 2010.
2. M.A. Haggag, S.K. Elmasry, and **S.A. Khashan**, Integrating Intelligent Glass Facades for Low-Energy Building Performance: Design Criteria for Abu Dhabi, International Conference on Renewable Energy: Generation and Applications, ICREGA'10, Paper 232, Al-Ain, UAE, March, 2010.
3. Hamdan, M. O., "Analytical Thermal Analysis of Solar Chimney Power Plant", Proceedings of the 4th ASME International Conference on Sustainable Energy (ES2010), Phoenix, Arizona, USA, from 17 to 22 May 2010.
4. Hamdan, M. O., "Analysis of a Solar Chimney Power Plant in the Arabian Gulf Region", Proceedings of the International Conference on Renewable Energy, March 8-10, 2010. ICRE2010.
5. hilal-Alnaqbi and J. D. S. Gaylor 2010. FIF bioartificial liver device: oxygen transfer rate experimental studies. World academy of science, engineering and technology. Issue 67 pp: 452-457
6. A.-H.I Mourad, Khalifa H. Harib, Aly El-Domiaty, Fracture Behavior of Friction Stir Spot Welded Joint, Proceedings of the ASME Pressure Vessels and Piping Division Conference, PVP2010, PP. 205-215, Bellevue, Seattle, Washington, USA., July 18-22, 2010.
7. O. A. Abuzeid, A. I. Aljoboury, A.-H. I. Mourad, A. Alawar, M. Abou Zour, Characterization of two types of stainless steels recommended for manufacturing brine recirculation pumps, Proceedings of the ASME 2010, 10th Biennial Conference on Engineering Design and Analysis, ESDA 2010, Istanbul, Turkey, July 12-14, 2010.
8. Muftah H. El-Naas, Abdel-Hamid I. Mourad, Sulaiman Al-Zuhair, Riham Surkatti, Characterization of Polyvinyl Alcohol (PVA) Gel as Support for Microbial Immobilization, proceeding of the 14th International Biotechnology Symposium and Exhibition, 14-18 September 2010- Rimini-Italy, 2010.
9. Yousef Haik , Mohamed Younes E. Selim, and Taher Abdulrehman, Combustion of Algae oil methyl ester and raw Algae oil in an indirect injection diesel engine, ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, July 12-14, **2010**, Istanbul, Turkey.
10. Mohamed Younes E. Selim, Emad Elnajjar, Farag Omar, Effect of Dual Fuel Engine Parameters and Fuel Type on Engine Noise Emissions, ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, July 12-14, **2010**, Istanbul, Turkey
11. Mohamed Y. E. Selim, Y. Haik, S.-A. B. Al-Omari and H. Abdulrahman, Biodiesel Oil Derived From Jojoba Solid Waste, World Renewable Energy Congress XI 25-30 September **2010**, Abu Dhabi, UAE, pp. 150-156.
12. Mohamed Younes E. Selim and Mohamed a. Al-Bayyiwomi, Application of ethics criteria to engineering profession: case study of engineering students at the UAE University, Proceedings of The ASME – ESDA 2010 Conference, Istanbul, Turkey, July 12-14, 2010.

13. **Samir A. Emam**, An Accurate Low-Order Model for the Dynamics of a Slender, Flexible Manipulator Exhibiting a Rigid-Body Motion, IV European Conference in Computational Mechanics, Paris, France, May 16-21, 2010.
14. Moustafa, K.A , Haik, Y , Aldajah, S., and Omar, F., “Leak Localization in Pipelines via Computational Pipeline Monitoring,” Proceedings, 2010 ASME Pressure Vessels and Piping Conference (PVP 2010), Bellevue, Seattle, Washington, July 18 – 22, 2010.
15. Harib, K, and Moustafa K.A., “Control of Parallel Kinematic Machines with Interval Parameters,” Proceedings, 13th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines (CLAWAR 2010), Nagoya, Japan, August 31 – September 3, 2010.

Books

1. - Mohamed Y. E. Selim, "Alternative Fuels for Transportation", Chapter title: LPG", Editor: A.S. Ramadhas, CRC Press / Taylors and Francis Group, USA, ISBN 978-1-4398195-7-9, October 13th, 2010.

Edited Books

Book Chapters

Patents