

Contents

Editorial i

Research

Improving Electromotor Process in Water Pump by Using Power Spectral Density, Time Signal and Fault Probability Distribution Function-
Hojjat Ahmadi, Zeinab Khaksar 1

Power Spectral Density of Hydraulic Pumps-
Hojjat Ahmadi, Zeinab Khaksar 6

Meso-scale and micro-scale electroencephalography (EEG) synchronization measures in Alzheimer's disease-
Mahdi Jalili 10

Maude Based Patterns for Mobile Agents Itineraries -
Faiza Bouchoul, Mohammed Mostefai 19

Use of Thermal Imaging Cameras in measuring the Total Emissivity -
K. Kheiralipour, H. Ahmadi, A. Rajabipour, S. Rafiee, M. Javan-Nikkhah 30

Book Review 35

Conference Notification 36

- The Fifth International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2012)
- Seventh International Conference on Digital Information Management (ICDIM 2012)
- The Second International Conference on Innovative Computing Technology (INTECH 2012)

Editorial

We are pleased to release the first issue of this scholarly journal, ***Electronic Devices (ED)***. This new journal is planned to have two issues in the first year, but later probably from next year will have four issues.

The goals we have set forth in this new publication are to bring the journal as an important medium to reflect the recent research on electronic devices for a wide range of multidisciplinary audiences and to give an update of state-of-the-art in this interdisciplinary field, while focusing on new trends in electronic device research. Such new trends include investigation of the new features as well as innovation in electronic devices based on novel materials, methods and techniques.

The inaugural issue has give eminent papers on various aspects such as Condition Monitoring of Electromotor of Process Water Pump, Power Spectral Density for in Crane Hydraulic Pump, Synchronization Analysis of EEG, Designing mobile agents and Emissivity analysis of Pistachio Kernels. We will continue to publish many innovative papers with increasing frequency and volume. We also assure that the journal will pass through a stringent review process before accepting papers for inclusion.

Editors