

Editorial Preface

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This special issue of *International Journal of Integrated Engineering* contains 14 papers contributions by 77 authors from 14 institutions. All contents provide deep research results on various fields of engineering. From 18 papers received by the amended date, 14 met the norms of the publication formalities. This special appreciation goes to all Editorial Team members for the evaluation process.

This issue also includes papers of some of the presentations at the Regional Research Seminar on Science, Engineering and Nanotechnology (ReSENT 2017), held during December 7, 2017 at Universiti Tun Hussein Onn Malaysia, Johor Malaysia.

The topics covered in this special issue include: FPGA based online data acquisition for optical tomography application, A review on equipment protection and system protection relay in power system, An overview of out-of-step protection in power systems, Reliable power system operation plan, Design and development of a microscopic electrical impedance tomography system, inverse problem comparison between linear back projection algorithm and filtered back projection algorithm in soft field tomography, variable speed drives energy saving and SCADA system, Finite element analysis for acoustic wave transmission in ultrasonic tomography application, Design of an automated hybrid system for aquaculture and agriculture process and its performance analysis, Internet of things application in meliponiculture, Artificial neural network and wavelet features extraction applications in nitrate and sulphate water contamination estimation, Review of safety evaluation of thermal wearable power harvesting device, Human breathing classification using electromyography signal with features based on melfrequency cepstral coefficient, Optimal two-degree-of-freedom control of precise positioning of a piezo-actuated stage.

The goal of this special issue is to present and provide platform of various engineering field results. It is believed that the papers will be the good references and bring directions to researchers in their research discipline.