Preface

The UNIMAS STEM Engineering Conference 2015 was held on October 7 to 9, 2015 in the beautiful city of Kuching, Sarawak, Borneo. With the theme “Engaging Industries and Society through Innovative Engineering and Technology", this international conference aims at bringing together the academicians, researchers, scientists, engineers, industrial professionals and scholar students to present their recent research work in all areas of Engineering and Technology. More than 100 scientific participants had many fruitful discussions and exchanges that contributed to the success of the conference. The 26 strictly reviewed articles were presented in the conferences. These articles were split to four main areas, i.e., Electrical and Electronic Engineering, Mechanical Engineering, Chemical Engineering, Civil Engineering, Communication, Signal and Data Processing and Biomedical Engineering. Besides, two speakers (i.e., Assoc. Prof. Dr. Tan Kay Chen and Prof. Dr. Nasrudin Bin Abd Rahim) gave very illuminating public lectures that drew many people from the local area, as well as conference participants. Assoc. Prof. Dr. Tan Kay Chen presented an interesting talk entitled “Recent Advances in Evolutionary Multiobjective Optimization and Applications “. Prof. Dr. Nasrudin Bin Abd Rahim gave an interesting talk on Academic-Industry Engagement.
Organizing Committee

Local Committees

Advisors: Assoc. Prof. Dr Al-Khalid Othman
Dean, Faculty of Engineering
Dr Hushairi Zen
Deputy Dean (Postgraduate & Research), Faculty of Engineering

Chairman: Dr Shafrida Sahrani

Co-Chairman: Dr Kismet Anak Hong Ping
Dr Thelaha Masri

Secretary: Dr Dayang Azra Awang Mat

Co-Secretary: Dr Lakshmanan a/l Gurusamy
Shirley Anak Rufus
Dr Nur Tahirah Razali

Treasurer: Dr Norsuzailina Mohamed Sutan

Co-Treasurer: Dr Siti Kudnie Sahari
Dr Idawati Ismail

Committee:

Sponsorship, Publicity and Media: Dayang Nur Salmi Dharmiza Awg Salleh
Ng Liang Yew
Noraziah Wahab
Norziyawatil Azwa Mohamad

Program and Protocol: Asrani Lit
Nurul Izzati Hashim
Norhuzaimin Julai
Dr Raudhah Ahmadi

Venue and Logistic: Dr Rohana Sapawi
Dr Martin Anyi
Sharifah Masniah Wan Masra
Mohd Hafiez Izwan Saad
Azfar Satari Abdullah
Technical Papers and Publications: Dr Tay Kai Meng  
Prof Dr Ng Chee Khoon  
Prof Dr Amir Azam Khan  
Prof Dr Andrew Ragai Henry Rigit  
Assoc. Prof. Dr Mohd. Saufee Muhamad  
Dr Muhammad Kashif  
Ir Dr Prashobh Kumar Karunakaran  
Dr Md Rezaur Rahman  
Dr Mah Yau Seng  
Dr Charles Bong Hin Joo

Floor and Event Management: Dr Nordiana Rajaee  
Dr Kuryati Kipli  
Dr Annie Joseph  
Nazreen Junaidi

Technical Visit: Dr Ngu Sze Song  
Ir Dr David Bong Boon Liang  
Dr Shahrol Mohamadan  
Norlisa Mili

Exhibition: Abdul Hafiz Abdul Karim  
Hazmi Hijazi Abd Halim

Support: Wan Mohamad Hamizah Wan Rosli

Website: Rosesima Ikau