

PREFACE

The Institute of Future Energy (IFE) organizes a conference on emerging energy and process technology known as CONCEPT annually. The research fellows initiated the idea of CONCEPT and thus, introduced it in 2012. The objectives are

- i) to strengthen the good relationships between postgraduate students and their supervisors and
- ii) to integrate academic and social aspects in a positive environment.

From 2012 to 2014, CONCEPT received participation from the School of Chemical and Energy Engineering and other faculties of Universiti Teknologi Malaysia. In 2015-2016, CONCEPT received participation from both public and private universities in Malaysia. Previous CONCEPT in 2017 was attended by participants from both local and international universities.

For this 7th conference on emerging energy and process technology (CONCEPT 7), thirty-five papers presented in oral presentation. These papers have been reviewed by researchers or experts in the field from Malaysia, Canada, India, Norway, and Nigeria. The papers will be published in proceedings entitled '*Proceedings of the 7th Conference on Emerging Energy & Process Technology*'.

This CONCEPT 7 provides an opportunity to speakers and delegates to share knowledge and expertise on three themes; sustainable energy, process system and safety. We believe discussing these three themes motivate delegates to identify or establish potential collaborative research.

Organizing Committee

CONCEPT 7 (2018)

PHOTOS OF CONFERENCE



THE ORGANIZING COMMITTEE OF CONCEPT 7 (2018)

Advisor	:	Prof. Dr. Arshad Ahmad
Chairperson	:	Dr. Norafneeza Norazahar
Secretary	:	Ms. Nazlina Ya'aini
Assistant to secretary	:	Ms. Ariffi Suraya Rahmani
Treasurer	:	Ms. Nur Fatimah Azmi
Guest Editor	:	Prof. Dr. Aishah Abd Jalil
Technical Committee	:	Assoc. Prof. Adnan Ripin Assoc. Prof. Dr. Anwar Johari Assoc. Prof. Dr. Mohamad Wijayanuddin Ali Assoc. Prof. Ir. Dr. Mimi Haryani Hassim Dr. Tuan Amran Tuan Abdullah Dr. Mohd Johari Kamaruddin Dr. Umi Aisah Asli Dr. Ebrahim Abouzari Lotf Dr. Saharuddin Haron Dr. Nurfatehah Wahyuny Che Jusoh Dr. Roshafima Rasit Ali
Logistic committee	:	Mr. Muhammad Abdul Razak
Registration committee	:	Ms. Noormaiza Mazlan

REVIEWERS FOR PAPERS SUBMITTED TO CONCEPT 7 (2018)

The review process was led by CONCEPT 7 Guest Editor, Prof. Dr. Aishah Abd Jalil. The organizing committee and guest editor of CONCEPT 7 would like to thank to all reviewers for their contribution to the conference. The reviews guide the organizing committee for selecting high-quality papers to be published in the proceedings. The papers are selected based on the scientific quality of the content and the topic fell within the scope of the conference.

Reviewers from International Universities/Companies

Prof. Dr. Rajagopalan Srinivasan

Indian Institute of Technology Madras, India

Dr. Majeed Olasunka Abimbola

Memorial University of Newfoundland, Canada

Dr. Mashrura Musharraf

Memorial University of Newfoundland, Canada

Zaid Kamil

Memorial University of Newfoundland, Canada

Shams Anwar

Memorial University of Newfoundland, Canada

Dr. Guozheng Song

Norwegian University of Science and Technology, Norway

Dr. Mawuli Kweku Afenyo

University of Manitoba, Canada

Dr. Aliyu Abdulhammeed Bello

University of Maiduguri, Nigeria

Dr. Abdu Zubairu

University of Maiduguri, Nigeria

Dr. Habibu Uthman

Federal University of Technology, Minna, Nigeria

Dr. Taha Mahdi

Midland Refineries Company, Baghdad, Iraq

Reviewers from Universities in Malaysia

Prof. Dr. Suzana Yusup

Universiti Teknologi PETRONAS

Dr. Raihan Mahirah Ramli

Universiti Teknologi PETRONAS

Dr. Sharifah Najiha Timmiati

Universiti Kebangsaan Malaysia

Dr. Nur Hidayatul Nazirah Kamarudin

Universiti Kebangsaan Malaysia

Dr. Teh Lee Peng

Universiti Kebangsaan Malaysia

Dr. Nur Hidayatul Nazirah Kamarudin

Universiti Kebangsaan Malaysia

Dr. Nor Ruwaida Jamian

Malaysia-Japan International Institute of Technology (MJIIT)-Universiti Teknologi Malaysia

Dr. Nurfatehah Wahyuny Che Jusoh

Malaysia-Japan International Institute of Technology (MJIIT)-Universiti Teknologi Malaysia

Dr. Nurul Aini Mohamed Razali

Universiti Malaysia Pahang

Dr. Nur Farhana Jaafar

Universiti Sains Malaysia

Dr. Aslinda Hassan

Universiti Teknikal Malaysia Melaka

Dr. Jiuan Jing Chew

Swinburne University of Technology Sarawak Campus

Reviewers from Universiti Teknologi Malaysia

Prof. Dr. Aishah Abdul Jalil

School of Chemical and Energy Engineering, Faculty of Engineering

Assoc. Prof. Dr. Norzita Ngadi

School of Chemical and Energy Engineering, Faculty of Engineering

Ir. Dr. Ramli Mat

School of Chemical and Energy Engineering, Faculty of Engineering

Dr. Daniel Joe Dailin

School of Chemical and Energy Engineering, Faculty of Engineering

Dr. Mohd Johari Kamaruddin

School of Chemical and Energy Engineering, Faculty of Engineering

Dr. Muhammad Arif Ab Aziz

School of Chemical and Energy Engineering, Faculty of Engineering

Dr. Saharuddin Haron

School of Chemical and Energy Engineering, Faculty of Engineering

Dr. Nicole Leong Hong Yeng

Innovation Centre in Agritechology for Advanced Bioprocessing

Dr. Umi Aisah Ali

Innovation Center in Agritechology for Advanced Bioprocessing