General

AP Ir. Dr.-Ing. Mohamad Rizza representing UMP at OPTIMIZE ‘21

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GAMBANG, 14 April 2021 - Associate Professor Ir. Dr.-Ing. Mohamad Rizza Othman, 42, from the Faculty of Chemical and Process Engineering Technology, Universiti Malaysia Pahang (UMP) has been selected to represent UMP at OPTIMIZE ’21

OPTIMIZE ’21 is a premier global event organized by AspenTech, a global leader in asset optimization software with nearly 40 years of engineering expertise.

The event gathers executives and operational from all over the world to share their best practices and innovative solutions to achieve new level of digitalization and operational excellence.

In the event Associate Professor Ir. Dr.-Ing. Mohamad Rizza will share his research work on ‘Advancing Oleochemical Fractionation: An Outlook on Energy and Economic Evaluation using Aspen Plus’.

According to Ir. Dr.-Ing. Mohamad Rizza, the motivation of this work comes from realizing the continual concern to reduce associated energy and greenhouse gas emissions in chemical industry.

This has led him and his team to rectify the deficiencies identified especially in the oleochemical industry by providing an exciting approach for energy efficient oleochemical fractionation.

Utilizing Aspen Plus, a process modelling software by AspenTech, combine with his team expertise on process intensification and heat integration, they show promising results.

His research started back in 2013 and since then his work has been published in 11 journals and presented at 16 conferences and exhibitions.

His research on process intensification has been recognised in CITREX 2018 and 2021 where has been awarded with gold medal.

He was also given the opportunity to present his work to MPOB prestigious events; POMREQ and PIPOC and international webinar organized by IChemE. Recently, he managed to convey his message to the Malaysian Oleochemical Manufacturers Group.

In OPTIMIZE ‘21, he would like to specifically deliver important takeaways to chemical industry particularly oleochemical on the window of opportunity that he and his team have discovered in improving their processes through process intensification and thermal integration.

He believed, such modelling and simulation work is highly important to assess its viability especially during the early stage of technology development and undoubtedly reduce the odds of setback prior

to industrial implementation.

The presentation video is available from 18 to 20 May 2021 at https://www.optimize2021.com/home.

Edited by: Nadira Hana Abd Hamid, Faculty of Manufacturing and Mechatronic Engineering Technology

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