





IChemE Malaysia Awards 2020

Welcome Speech by
Ir Dr Law Chung Lim, Chairperson of IChemE Malaysia





ICHEME Malaysia Awards 2020

Royal Patron of IChemE Malaysia Her Royal Highness
Queen of Perak Darul Ridzuan, Tuanku Zara Salim, D.K, D.K.S.A., D.K.A



The 2020 IChemE Malaysia Awards Ceremony takes place in the most unusual of circumstances. This year is proving to be one of the most trying times the world has faced in recent history. In spite of this, the ceremony carries on and I express my sincere thanks to the organising committee for their dedication and hard work to make it happen. It will indeed be an occasion to remember.

To the finalists and winners of this prestigious IChemE Malaysia Awards, the stars of tonight - my congratulations! You bring credit to the profession. Continue your show of strength in times of adversity and keep up the good work.

My doa is with you for a safe and brighter future.



IChemE Malaysia Awards 2020

Thank you Judges



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Oil and Gas



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Oil and Gas Finalists

- PETRONAS Chemicals Glycols
Energy Efficiency and Reduction Carbon Dioxide Emissions
- PETRONAS Penapisan (Terengganu)
Benzene, Toluene and Xylene (BTX) Stripper System
- PETRONAS Penapisan (Terengganu)
Steam System Closed Loop Realtime Optimiser (RTO)
- PETRONAS Research
Biocide Enhancer - BioMETT
- PETRONAS Research, Deakin University and University of Adelaide, Australia
Metal Organic Framework as Self-healing Catalyst



IChemE Malaysia Awards 2020

Highly commended



PETRONAS Penapisan
(Terengganu)

*Steam System Closed
Loop Realtime
Optimiser (RTO)*

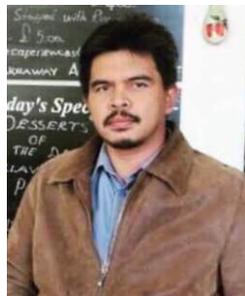


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Winner

PETRONAS Research, Deakin University
and University of Adelaide, Australia

*Metal Organic Framework as
Self-healing Catalyst*





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Palm Oil



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Palm Oil Finalists

- **Sumwin Solutions Malaysia**
Patented 3MCPDE and Glycidyl Esters (GE) Mitigation Technology
- **Universiti Kebangsaan Malaysia, Sime Darby Research and Yayasan Sime Darby**
Zero Waste Technology



ICHEME Malaysia Awards 2020

Highly commended



Universiti Kebangsaan
Malaysia, Sime Darby
Research and Yayasan
Sime Darby

Zero Waste Technology



ICHEME Malaysia Awards 2020

Winner



Sumwin Solutions Malaysia

Patented 3MCPDE and Glycidyl Esters (GE) Mitigation Technology



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Student Chapter



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Student Chapter Finalists

- Swinburne University of Technology Sarawak
- University of Malaya
- University of Nottingham Malaysia
- Universiti Tunku Abdul Rahman
- Xiamen University Malaysia



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Highly commended



Swinburne University
of Technology Sarawak



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Winner



Xiamen University
Malaysia



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Process Safety



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Process Safety Finalists

- **PETRONAS Chemicals Ammonia**
Cold Box Life Assessment (CoBALt)
- **PETRONAS Chemicals Ammonia and Swagelok Malaysia**
New Design of Ammonia Sampling Station
- **PETRONAS Research**
CO₂ Blowdown Methodology
- **PETRONAS Penapisan (Terengganu)**
Smart Ratchet for Preventing Sample Spills



IChemE Malaysia Awards 2020

Highly commended



PETRONAS Research *CO₂ Blowdown Methodology*



IChemE Malaysia Awards 2020

Winner



**PETRONAS
Penapisan
(Terengganu)**

*Smart Ratchet
for Preventing
Sample Spills*



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Training & Development



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Training & Development Finalists

- **PETRONAS Penapisan (Terengganu)**
Operator Training Simulator (OTS)
- **PETRONAS Penapisan (Terengganu)**
*Redefining Health, Safety, Security and Environment (HSSE)
Education through CoHEx*
- **EnQuest Petroleum Production Malaysia (EQPPM) and Universiti
Kebangsaan Malaysia (UKM)**
Collaboration on IChemE Accreditation



ICHEME Malaysia Awards 2020

Highly commended



PETRONAS Penapisan (Terengganu)
Operator Training Simulator (OTS)



ICHEME Malaysia Awards 2020

Winner



**PETRONAS Penapisan
(Terengganu)**

*Redefining Health, Safety,
Security and
Environment (HSSE)
Education through CoHEX*



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Sustainability



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Sustainability Finalists

- **PETRONAS Chemicals Fertiliser**
Cleaner Air through Process Control Advancement (CAPCA)
- **PETRONAS Penapisan (Terengganu)**
Furnace Air-Register(FAR)-key and Logbook for Cost Optimisation
- **PETRONAS Penapisan (Terengganu)**
Steam System Closed Loop Realtime Optimiser (RTO)
- **PETRONAS Research**
Tunable Biobased Polyol Esters for Sustainable Future
- **Universiti Kebangsaan Malaysia, Sime Darby Research and Yayasan Sime Darby**
Zero Waste Technology



ICHEME Malaysia Awards 2020

Highly commended



PETRONAS Chemicals Fertiliser

Cleaner Air through Process Control Advancement (CAPCA)



ICHEME Malaysia Awards 2020

Winner



PETRONAS Penapisan
(Terengganu)

*Steam System Closed
Loop Realtime Optimiser (RTO)*



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Young Industrialist



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Young Industrialist Finalists

- **Malaysian Refining Company**
Muhammad Faiz Bin Omar
- **PETRONAS**
Mohamad Fakhru Ridhwan Bin Samsudin
- **Universiti Teknologi PETRONAS**
Serene Lock Sow Mun



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Highly commended



Universiti Teknologi
PETRONAS

Serene Lock Sow Mun



IChemE Malaysia Awards 2020

Winner



Malaysian Refining Company

Muhammad Faiz Bin Omar



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Young Researcher



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Young Researcher Finalists

Monash University Malaysia
Ng Boon Junn

PETRONAS
Nik Muhammad Syafiq bin Nik Mohd Adnan

PETRONAS Research
Muhammad Ashraf bin Zin Zawaw

Swinburne University of Technology Sarawak
How Bing Shen

Xiamen University Malaysia
Chew Kit Wayne



ICHEME Malaysia Awards 2020

Highly commended



Monash University Malaysia

Ng Boon Junn



ICHEME Malaysia Awards 2020

Winner



Xiamen University Malaysia

Chew Kit Wayne



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Closing Speech by
Ir Rafil Elyas, Deputy Chair of IChemE Malaysia





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Thank you for attending the IChemE Malaysia Awards

Good night