

Oral Presentation List

12 April 2017 (Tuesday)

Parallel Session 1

Parallel Session 1-A

Chairperson: Dr. Masli Irwan Rosli
Venue: Dewan Siantan (Main Conference Hall)

A1	<p>(ICFCHT-017) Mr Suwaphid Themsirimongkon Carbon Nanotubes Supported Pt Alloyed Metal Anode Catalysts for Use in Direct Alcohol Fuel Cells <i>S. Themsirimongkon, Thapanee Sarakonsri, Somchai Lapanantnoppakhun and S. Saipanya</i> Faculty of Science, ChiangMai University, Thailand</p>
A2	<p>(ICFCHT-042) Mr Faisal Baz Influence of Parallel Flow Field Inclination Design on Water Management in PEMFCs <i>Faisal Baz, Radwan M. Elzohary, Mahmoud Ahmed and Shinichi Ookawara</i> Energy Resources Engineering Department, Egypt-Japan University of Science and Technology, Egypt</p>
A3	<p>(ICFCHT-230) Ms Lies A. Wisojodharmo The Use of Fuel Cell at the Center for Renewable Energy Utilization Technology Baron Techno Park as Hybrid System <i>Lies A. Wisojodharmo, Herri Susanto, Kurniawan and Eniya L. Dewi</i> Centre for Materials Technology, The Agency for the Assessment & Application of Technology (BPPT), Indonesia</p>
A4	<p>(ICFCHT-115) Dr Ebrahim Abouzari-Lotf Preparation and Characterization of Novel Dimensionally Stable Ionic Liquid Proton Exchange Membranes <i>M. Zakeri, E. Abouzari-lotf, M. M. Nasef, A. Ahmad, TM. Ting and P. Sithambaranathan</i> Center of Hydrogen Energy, UniversitiTeknologi Malaysia, Malaysia</p>
A5	<p>(ICFCHT-040) Dr Nutthapon Wongyao Influence of Cumulative Products in the Fuel Feed of a Direct Ethanol Fuel Cell on Performance using a Simulated Mixture of Acetic Acid and Acetaldehyde from Ethanol Oxidation <i>Nutthapon Wongyao, Apichai Therdthianwong and Supaporn Therdthianwong</i> Fuel Cells and Hydrogen Research and Engineering Center, King Mongkut's University of Technology Thonburi, Thailand</p>

Parallel Session 1-B

Chairperson: Assoc. Prof. Dr. Sufizar Bt. Ahmad
Venue: Dewan Seri Melati 1

B1	<p>(ICFCHT-009) Mr Afizul Hakem bin Karim Effects of Ti Doping on the Electrochemical Performance of Perovskite Oxide (La_{0.75}Sr_{0.25})(Mn_{0.5}Cr_{0.5})O_{3-δ} As Anode for Solid Oxide Fuel Cells <i>Afizul Hakem Karim, Tae Hee Lee, Jo Suyeon, Abdalla Mohammed Abdalla, Park Jun-Young, Pengiran Iskandar PetraI andAbulKalam Azad</i> Faculty of Integrated Technology, Universiti Brunei Darussalam, Brunei Darussalam</p>
B2	<p>(ICFCHT-021) Ms Siti FairusBt Mohammad Comparative Characterization on Thermal and Structural Properties of Calcined Sm_{0.5}Sr_{0.5}CoO_{3-δ}-Sm_{0.2}Ce_{0.8}O_{1.9} Carbonate Composite Cathode for LTSOFC <i>Siti Fairus Mohammad, Sufizar Ahmad, Hamimah Abdul Rahman and AndanastutiMughtar</i> Faculty of Mechanical & Manufacturing Engineering, UniversitiTun Hussein Onn Malaysia, Malaysia</p>

B3	(<i>ICFCHT-240</i>) Dr Mahendra Rao Somalu Enhanced Ionic Conductivity of Scandia-Stabilized-Zirconia Electrolyte Synthesized by the Microwave-assisted Glycine Nitrate Process <i>M.R. Somalu, A.A. Jais, M. Ali S.A., M. Anwar, A. Muchtar, W.N.R.W. Isahak</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia
B4	(<i>ICFCHT-111</i>) Mr Ahmad Faiq Omar Performance Evaluation of Hollow Fibre-Based Solid Oxide Fuel Cell Using Methane Fuel <i>Charina Novely Gunaedi, Ahmad Faiq Omar, Mohd Hafiz Dzarfan Othman, Siti Munira Jamil and Mohd Hilmi Mohamed</i> Advanced Membrane Technology Research Centre (AMTEC), Universiti Teknologi Malaysia, Malaysia
B5	(<i>ICFCHT-047</i>) Assoc. Prof. Hamimah Abd. Rahman A Short Review on The Enhancement Of Composite Anode Materials For Low-Temperature Solid Oxide Fuel <i>K.H. Ng, H.A. Rahman and M.R. Somalu</i> Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia, Malaysia
Parallel Session 1-C Chairperson: Assoc Prof. Dr. Sahilah Abd. Mutalib Venue: Dewan Seri Melati 2	
C1	(<i>ICFCHT-166</i>) Ms Siti Suhaili Shahlan Process Design Development of the Hydrogen Production Process by using Oil Palm Empty Fruit Bunch <i>Siti Suhaili Shahlan, Kamarizan Kidam, Tuan Amran Tuan Abdullah, Mohamad Wijayanuddin Ali and Hamidah Kamarden</i> Faculty of Chemical & Energy Engineering, Universiti Teknologi Malaysia, Malaysia
C2	(<i>ICFCHT-193</i>) Mr Khamdan Cahyari Optimization of Hydrogen Production From Fruit Waste Through Mesophilic and Thermophilic Dark Fermentation: Effect Of Substrate-To-Inoculum Ratio <i>Khamdan Cahyari, Sarto and Siti Syamsiah</i> Department of Chemical Engineering, Gadjah Mada University, Indonesia
C3	(<i>ICFCHT-102</i>) Dr Nurul Hayati Idris The Hydrogen Storage Properties and Catalytic Mechanism of the MnFe₂O₄-Doped MgH₂ Composite System <i>Nurul Hayati Idris, N. S. Mustafa and M. Ismail</i> School of Ocean Engineering, Universiti Malaysia Terengganu, Malaysia
C4	(<i>ICFCHT-106</i>) Dr Mohammad Bin Ismail Influence of Different Amounts of Hafnium Chloride on Magnesium Hydride for Hydrogen Storage <i>Mohammad Bin Ismail</i> School of Ocean Engineering, Universiti Malaysia Terengganu, Malaysia
C5	(<i>ICFCHT-160</i>) Dr Siti Salwa Hashim Modeling of Methane Steam Reforming in Membrane Reactor <i>Shanon Liew Kai Shuen, Siti Salwa Hashim and Jaka Sunarso</i> Faculty of Engineering, Computing and Science, Swinburne University of Technology Sarawak, Malaysia
Parallel Session 1-D Chairperson: Dr. Leong Kah Hon Venue: Dewan Seri Melati 3	
D1	(<i>ICFCHT-010</i>) Mr Abdalla Mohamed Ibrahim Abdalla Photocatalytic H₂ Production From Yb and Zr Co-doped SmFeO₃ <i>A.M. Abdalla, S. Hossain, M. S. Abu Bakar, Pg M. I. Petra I, X.X. Xu and A. K. Azad</i> Faculty of Integrated Technologies, Universiti Brunei Darussalam, Brunei Darussalam
D2	(<i>ICFCHT-081</i>) Dr Lan Ching Sim

	<p>In Situ Growth of g-C₃N₄ On TiO₂ Nanotube Arrays: Construction of Heterostructures for Improved Photocatalysis Properties <i>Lan Ching Sim, Kai Sheng Koh, Kah Hon Leong, Yik Heng Chin and Pichiah Saravanan</i> Department of Environmental Engineering, UniversitiTunku Abdul Rahman, Malaysia</p>
D3	<p>(ICFCHT-099) Dr Ng Kim Hang Cu₂O/Au as Efficient Visible-Light-Driven Photocathode <i>Ng Kim Hang, Lorna Jeffery Minggu, Nurul Akmal Jaafar and Mohammad Kassim</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia</p>
D4	<p>(ICFCHT-100) Ms Nur Azimah Abd Samad Metal Oxide-Modified Zinc Oxide Nanostructures for Hydrogen Generation: A Review <i>Nur Azimah Abd Samad, Chin Wei Lai, Mohd Rafie Johan and Sharifah Bee Abd Hamid</i> Nanotechnology & Catalysis Research Centre (NANOCAT), University of Malaya, Malaysia</p>
D5	<p>(ICFCHT-011) Ms Norraihanah Mohamed Aslam Effect of Carbonization and Steam Activation Temperature Toward Palladium Catalyst Supported by Carbon-Embedded Carbon Nanofiber in Formic Acid Oxidation <i>Norraihanah Mohamed Aslam, Takuya Tsujiguchi, Yugo Osaka and Akio Kodama</i> Division of Mechanical Engineering, Kanazawa University, Japan</p>

13 April 2017 (Wednesday)

Parallel Session 2

Parallel Session 2-A

Chairperson: Ibu Lies A. Wisojodharmo
 Venue: Dewan Siantan (Main Conference Hall)

A6	<p>(ICFCHT-096) Ms Joelle C.W. Mah Influences of Sintering Temperature on the Phase Transition Behavior and Electrical Properties of Sol-Gel Derived (Cu,Mn,Co)₃O₄ Spinels <i>Joelle C.W. Mah, Andanastuti Muchtar, Mahendra R. Somalu and Mariyam J. Ghazali</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia</p>
A7	<p>(ICFCHT-054) Assoc. Prof. Abu Bakar Sulong Synthesis of Pt-Ni Composite Electrocatalyst and Characterization for High Temperature Proton Exchange Membrane Fuel Cell <i>A. B. Sulong, M. A. Haque, E. H. Majlan, K.S. Loh, T. Husaini and R. E. Rosli</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia</p>
A8	<p>(ICFCHT-122) Ms Suhadiyana Binti Hanapi PEM Fuel Cell Modelling Using System Identification Method and Correlation Test for Vehicle Application <i>Suhadiyana Hanapi, Azizan As'array, S.K. Kamarudin and A.H. Abdol Rahim</i> Faculty of Mechanical Engineering, UniversitiTeknologi MARA, Malaysia</p>
A9	<p>(ICFCHT-236) Assoc. Prof Mehmet Fatih Orhan Model Analyses of Gas Diffusion Layers of Membrane Electrode Assembly in a Proton Exchange Membrane Fuel Cell <i>Huseyin Kahraman and Mehmet F. Orhan</i> Department of Mechanical Engineering , American University of Sharjah, United Arab Emirates</p>

Parallel Session 2-B

Chairperson: Dr. Abdul Mutalib Md Jani
 Venue: Dewan Seri Melati 1

B6	(ICFCHT-123) Dr Azlyana Binti Ismail Synthesis And Optimisation Of Direct Methanol Fuel Cells For Portable Application Via Cell Integrated Network <i>A. Ismail, S.K. Kamarudin, W.R.W. Daud, S. Masdar and U.A. Hasran</i> LKC Faculty of Engineering and Science, Universiti Tunku Abdul Rahman, Malaysia
B7	(ICFCHT-145) Mr Radwan Metwaly Abd Ellatif Elzoheiry Performance Study of Bio-inspired Flow Field design for Direct Methanol Fuel Cells <i>Radwan M. El-Zoheiry, Mahmoud Ahmed, Shinichi Ookawara and F.B. Baz</i> Energy Resources Engineering Department, Egypt-Japan University of Science and Technology (E-JUST), Egypt
B8	(ICFCHT-176) Dr Lina Troskialina Direct-biogas SOFC Operation with Sn Anode-infiltration <i>Lina Troskialina, Aman Dhir and Robert Steinberger-Wilckens</i> School of Chemical Engineering, University of Birmingham, United Kingdom
B9	(ICFCHT-157) Assoc. Prof. Nafisah Osman Electrochemical Study of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}\text{-BaCe}_{0.54}\text{Zr}_{0.36}\text{Y}_{0.1}\text{O}_{3-\delta}$ (LSCF-BCZY64) Composite Cathode Prepared by Combination of Two Dispersing Agents <i>Ismariza Ismail, Mohamad Hafiz Mohd Rizwan, Abdul Mutalib Md Jani and Nafisah Osman</i> Faculty of Applied Science, Universiti Teknologi MARA, Malaysia
Parallel Session 2-C Chairperson: Dr. Lim Kean Long Venue: Dewan Seri Melati 2	
C6	(ICFCHT-144) Prof. Jerry J. Wu Enhancing the Photocatalytic Hydrogen Evolution of Copper Doped Zinc Sulfide Nanoballs Through Surfactants Modification <i>Gang-Juan Lee, Hui-Chuan Chen, and Jerry J. Wu</i> Department of Environmental Engineering and Science, Feng Chia University, Taiwan
C7	(ICFCHT-077) Ms Krongthong Kamonsuangkasem Glycerol Steam Reforming over Ni Catalysts Supported on Mesoporous $\text{CeZrO}_2/\text{Al}_2\text{O}_3$: Effect of Calcination Temperature <i>Krongthong Kamonsuangkasem, Keerathi Subhavasotthi, Supaporn Therdtianwong and Apichai Therdtianwong</i> Department of Chemical Engineering, King Mongkut's University of Technology Thonburi, Thailand
C8	(ICFCHT-113) Ms Nurul Nafiqah Binti Itam Sulaiman Effect of TiF_3 Addition on the Hydrogen Storage Properties of $4\text{MgH}_2 + \text{Cd}$ Composite <i>N.N. Sulaiman and M. Ismail</i> School of Ocean Engineering, Universiti Malaysia Terengganu, Malaysia
C9	(ICFCHT-044) Mr Mohd Nur Ikhmal Bin Salehmin Highly Photoactive Cu_2O Nanowire Film Prepared with Modified Highly Scalable Synthesis Method for Photoelectrochemical Water-Splitting <i>Mohd Nur IkhmalSalehmin, Lorna Jeffery Minggu, KhuzaimahArifin, Mohammad HafizuddinHj.Jumali and Mohammad B.Kassim</i> Fuel Cell Institute, UniversitiKebangsaan Malaysia, Malaysia
Parallel Session 2-D Chairperson: Assoc. Prof. Dr. Mohd Azree bin Idris Venue: Dewan Seri Melati 3	
D6	(ICFCHT-022) Ms Nur Fawwaz Binti Asri Anticorrosion and Electrical Conductivity of SUS 316L Plates with Cr as Surface Modification for Bipolar Plates Potential at Anode/Cathode in PEMFC. <i>Nur Fawwaz Asri, Teuku Husaini, Abu Bakar Sulong, Wan Ramli Wan Daud, Edy Herianto Majlan and Bushroa Abdul Razak</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia

D7	(ICFCHT-097) Dr Marimuthu Loganathan Exhaust Emission Control of Hydrogen Operated Small Four Stroke SI Engine with Water Injection <i>M. Loganathan, P. Tamilarasan and E. James Gunasekaran</i> Mechanical Engineering, Annamalai University, India
D8	(ICFCHT-246) Dr Farah B Ahmad The Prospect of Microbial Oils Production from Oil Palm Empty Fruit Bunch <i>Farah B. Ahmad, Zhanying Zhang, William O. S. Doherty and Ian M. O'Hara</i> Department of Biotechnology Engineering, International Islamic University Malaysia, Malaysia
D9	(ICFCHT-150) Ms Nor Hazelah Binti Kasmuri Conceptual Design: Production of Bio-Methanol from Wastes <i>Kasmuri N. Hazelah, Kamarudin S. Kartom, Abdullah S. Rozaimah Sheikh, Hasan H. Abu and Md. Som A.</i> Department of Chemical and Process Engineering, UniversitiKebangsaan Malaysia, Malaysia
Parallel Session 3	
Parallel Session 3-A Chairperson: Assoc. Prof. Dr. Abu Bakar Sulong Venue: Dewan Siantan (Main Conference Hall)	
A10	(ICFCHT-119) Ms Suhadiyana Binti Hanapi Analytical Hierarchy Process (AHP): Effect of Different Configurations on the Performance and Exergy Efficiency of a PEM Fuel Cell Vehicle <i>Suhadiyana Binti Hanapi, Wan Ahmad Najmi Bin Wan Mohamed, Azizan Bin As'arry, Siti Kartom Binti Kamarudin, Alhassan Salami Tijani And Abdul Hadi Bin Abdol Rahim@Ibrahim</i> Faculty of Mechanical Engineering, Universiti Teknologi MARA, Malaysia
A11	(ICFCHT-104) Ms Siti Norsafurah Ab Malek Effect of Deposition Time on Structural and Catalytic Properties of Pt Films Electrodeposited on Ti Substrate Siti Norsafurah Ab Malek and Yusairie Mohd Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia
A12	(ICFCHT-128) Ms Norsyahida Binti Mohammad Optimization of Composition And Process Parameter Of CsH₂PO₄/NaH₂PO₄/SiO₂ Solid Acid Composite via Taguchi Method <i>Norsyahida Mohammad, Abu Bakar Mohamad, Abdul Amir H. Kadhun and Kee Shyuan Loh</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia
A13	(ICFCHT-051) Ms Siti Najibah Abd Rahman Effects of Ambient Condition on the Performance of PEMFC Stack <i>S.N.A. Rahman, M.S. Masdar, M.I. Rosli, E.H. Majlan, T. Husaini, W.R.W. Daud, S.A.M. Rejab and C.L. Chew</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia
A14	(ICFCHT-141) Ms Engku Safiah Binti Engku Indong Electrospun Strontium Cross-linked Sulfonated Poly (ether ether ketone) SPEEK Nanofiber for Proton Exchange Membrane Fuel Cell <i>E. S. E. Indong, K. A. Sekak and N. Hasbullah</i> Faculty of Applied Science, University Technology MARA, Malaysia
A15	(ICFCHT-229) Dr Hary Devianto The Effect of pH, Start-stop Cycle, Temperature, and Humidity on the Performance of Direct Ethanol Fuel Cell (DEFC) <i>Hary Devianto, Isdiriyani Nurdin, Pramujo Widiatmoko, Aditiya Pratama Putra Yudistira, Mhd Redho Utomo, Irandre Tridharmansyah, Sheryn Julianti, Afifah Nadia and Mitra Eviani</i>

	InstitutTeknologi Bandung, Indonesia
A16	(<i>ICFCHT-057</i>) Ms Lim Bee Huah The Effect of Modified Parallel Flow Field on Proton Exchange Membrane Fuel Cell Performance <i>B.H. Lim, E.H. Majlan, W.R.W. Daud, M.I. Rosli and T. Husaini</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia
Parallel Session 3-B Chairperson: Assoc. Prof. Dr. Nafisah Osman Venue: Dewan Seri Melati 1	
B10	(<i>ICFCHT-026</i>) Mr Muhammed Ali S.A. Synthesis of Highly Porous NiO-SDC Composite Anode by Glycine-Nitrate Process for Intermediate Temperature Solid Oxide Fuel Cells <i>Muhammed Ali S.A, Mustafa Anwar, Mahendra Rao Somalu and Andanastuti Muchtar</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia
B11	(<i>ICFCHT-181</i>) Ms Nor Anisa Arifin Ni/ScCeSZ vs Ni/YSZ Anode For Solid Oxide Fuel Cell (SOFC) Via Multilayer Aqueous Tape Casting <i>Nor Anisa Arifin, Robert Steinberger Wilckens and Tim Button</i> Chemical Engineering Department, University of Birmingham, United Kingdom
B12	(<i>ICFCHT-228</i>) Dr Deni Shidqi Khaerudini Applicability Magnesium-substituted Bismuth Vanadate as a Cathode in Lanthanum Gallate based Electrolyte for Intermediate-Temperature Solid Oxide Fuel Cells <i>Deni Shidqi Khaerudini, N. Indayaningsih, G. Guan and A. Abudula</i> Research Center for Physics, Indonesian Institute of Sciences, Indonesia
B13	(<i>ICFCHT-170</i>) Dr Abdul Mutalib Md Jani Template Synthesis of Perovskite Nanostructures (Solid and Hollow) for Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFCs) Application <i>Anisah Shafiqah Habiballah, Nafisah Osman, Oskar Hasdinor Hassan and Abdul Mutalib Md Jani</i> Chemistry Department, Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia
B14	(<i>ICFCHT-180</i>) Mr Tan Kang Huai Influence of Transition Metals Addition to Coating Layer of Ferritic Stainless Steel interconnector for Solid Oxide Fuel Cell: A Short Review <i>Tan Kang Huai and Hamimah Abdul Rahman</i> Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia, Johor
B15	(<i>ICFCHT-225</i>) Assoc. Prof Muhammad Anis-ur-Rehman Controlled Conductivity for Fuel Cells in Various Nanostructures of (Ce-Nd)-Oxides <i>M. Anis-ur-Rehman and Q. Naseer</i> Department of Physics, COMSATS Institute of Information Technology, Pakistan
B16	(<i>ICFCHT-124</i>) Assoc. Prof Andrey A. Solovyev Deposition of Nickel Oxide-Ytria Stabilized Zirconia Thin Films by Reactive Magnetron Sputtering <i>Andrey A. Solovyev, Alexey M. Lebedynskiy, Anna V. Shipilova, Igor V. Ionov, Egor A. Smolyanskiy, Alexander L. Lauk and Gennady E. Remnev</i> Department Of Experimental Physics, Tomsk Polytechnic University, Russia
Parallel Session 3-C Chairperson: Dr. Mohammad Bin Ismail Venue: Dewan Seri Melati 2	
C10	(<i>ICFCHT-206</i>) Mr Olagoke Oladokun CFD Study of hydrodynamics and mixing in a Biohydrogen Transported Bed Reactor <i>Olagoke Oladokun, Arshad Ahmad, Tuan Amran Tuan. Abdullah and Bemgba Bevan Nyakuma</i> Department of Chemical Engineering, Universiti Teknologi Malaysia, Malaysia
C11	(<i>ICFCHT-029</i>) Ms Tahereh Jafari Sustainable and Enhanced Biocathode Startup by an Abio-Bio Cathode Configuration for

	<p>Hydrogen Production in a Microbial Electrolysis Cell <i>T. Jafary, W.R.W. Daud, M.H. Bakar, M. Ghasemi, J.M. Jahim, B.H. Kim and M. Ismail</i> Fuel Cell Institute, UKM, Malaysia</p>
C12	<p>(ICFCHT-151) Ms Saule Zholdayakova Possibilities of Hydrogen Energy Utilization in Kazakhstan: Preparation of TiCrMn Hydrogen Storage Alloys and Investigation of Their Absorption Properties <i>S. Zholdayakova and H.H. Uchida</i> Graduate school of Human Environmental Studies, Tokai University, Japan</p>
C13	<p>(ICFCHT-114) Mr Muhammad Firdaus Asyraf bin Abdul Halim Yap Understanding the Dehydrogenation Properties of MgH₂ Catalyzed by Na₃AlF₆ <i>F.A. Halim Yap, N.N. Sulaiman and M. Ismail</i> School of Ocean Engineering, Universiti Malaysia Terengganu, Malaysia</p>
C14	<p>(ICFCHT-149) Ms Nurul Shafikah bt Mohd Mustafa Microstructure and Hydrogen Desorption Properties of the 4MgH₂-NaAlH₄ Composite with K₂TiF₆ Addition <i>N.S. Mustafa and M. Ismail</i> School of Ocean Engineering, Universiti Malaysia Terengganu, Malaysia</p>
C15	<p>(ICFCHT-135) Mr Abdul Hadi Bin Abdol Rahim @ Ibrahim Dynamic Computational Modelling of a Polymer Electrolyte Membrane Electrolyser (PEME): Mass Transport Numerical Analysis <i>Abdul Hadi Bin Abdol Rahim, Alhassan Salami Tijani, Siti Kartom Kamarudin And Suhadiyana Hanapi</i> Faculty of Mechanical Engineering, Universiti Teknologi Mara, Malaysia</p>
C16	<p>(ICFCHT-158) Dr Chua Yong Shen Synthesis, Structure and Dehydrogenation of Mixed Metal Amidoborane and Its Ammoniate Derivative <i>Yong Shen Chua, Bin Liu, Hui Wu, Wei Zhou, Guotao Wu, Zhitao Xiong and Ping Chen</i> School of Chemical Sciences, Universiti Sains Malaysia, Malaysia</p>
<p>Parallel Session 3-D Chairperson: Dr. Wan Nor Roslam Wan Isahak Venue: Dewan Seri Melati 3</p>	
D10	<p>(ICFCHT-234) Mr Mohamad Azuwa Bin Mohamed Incorporation of Titania Mixed Phase Onto g-C₃N₄ Nanostructured As One Heterojunction Photocatalyst <i>Mohamad Azuwa Mohamed, Juhana Jaafar, Abu Bakar Mohamad, M. F. M. Zain, Lorna Jeffery Minggu, Mohd Nur Ikmal Salehmin and Mohamad Saufi Rosmi</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia</p>
D11	<p>(ICFCHT-036) Mr Md Ahsanul Haque The Oxygen Reduction Reaction Behaviors of Carbon Nanotubes Supporting Pt Catalyst for Proton Exchange Membrane Fuel Cell <i>M.A. Haque, A.B. Sulong, E.H. Majlan, K.S. Loh, T. Husaini and R.E. Rosli</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia</p>
D12	<p>(ICFCHT-088) Dr Leong Kah Hon Immobilising TiO₂ Nanoparticle Onto Glass Substrates Through A Facile Technique For Photocatalytically Self-Cleaning Of Indoor Air Pollutant <i>Kah Hon Leong, Jia Quan Lee, A. Ashok Kumar, Lan Ching Sim and Saravanan Pichiah</i> Environmental Engineering, Universiti Tunku Abdul Rahman, Malaysia</p>
D13	<p>(ICFCHT-063) Mr Ibdal Satar Immobilized Mixed-culture Reactor (IMcR) for Hydrogen and Methane Production from Glucose <i>Ibdal Satar, Wan Ramli Wan Daud, Byung Hong Kim, Mostafa Ghasemi, Mahendra Rao Somalu and Mimi Hani Abu Bakar</i> Fuel Cell Institute, Universiti Kebangsaan Malaysia, Malaysia</p>
D14	<p>(ICFCHT-247) Dr Rosiah Rohani</p>

	<p>An Effective Carbon Dioxide Removal System for Biohydrogen Production from Palm Oil Mill Effluent Biomass via Chemical Absorption using Various Alkaline Solutions <i>Rosiah Rohani, Ying Tao Chung, Izzati Nadia Mohamad and M. Usman M. Junaidi</i> Department of Chemical & Process Engineering, UKM Bangi, Malaysia</p>
D15	<p>(ICFCHT-242) Dr Norasikin Ahmad Ludin Cobalt Sulfide Based Counter Electrode for Dye-sensitized Solar Cells (DSSC) <i>Norshazlinah Abdul Karim, Norasikin Ahmad Ludin, Mohd Asri Mat-Teridi, Suhaila Sepeai, Mohd Adib Ibrahim, M. Kouhnavard, Kamaruzzaman Sopian and Hironori Arakawa</i> Solar Energy Research Institute (SERI), University Kebangsaan Malaysia, Malaysia</p>
D16	<p>(ICFCHT-250) Mr Muhammad Rauf High Performance Fe/N/C Based ORR Electrocatalyst And Their Characterization <i>Muhammad Rauf, Zhou Zhi You and Sun Shi Gang</i> Department of Chemistry, Xiamen University, China</p>