

# CONFERENCE PROGRAMME SUMMARY

June 15, 2010 (Tuesday) - DAY 1													
Time	Event												Venue
9.00 - 9.10	Welcoming Remarks - Organising Chairman												PH
9.10 - 10.00	Opening Address by YAB Prime Minister of Malaysia												
10.00 - 10.45	Keynote Speaker 1 : Tun Dr. Mahathir Mohamed												
10.45 - 11.30	Keynote Speaker 2 : Director General of MOHE												
11.30 - 12.00	Morning Break												
12.00 - 1.00	<b>Parallel Oral Session 1</b>												01A: CH2
	PEG-D1-01A-01	PEG-D1-01A-02	PEG-D1-01A-03	PEG-D1-01B-01	PEG-D1-01B-02	PEG-D1-01B-03							01B: CH3
1.00 - 2.00	Lunch												
2.00 - 4.00	<b>Parallel Oral Session 2</b>												02A:
	PEG-D1-02A-01	PEG-D1-02A-02	PEG-D1-02A-03	PEG-D1-02A-04	PEG-D1-02A-05	PEG-D1-02A-06	PEG-D1-02B-01	PEG-D1-02B-02	PEG-D1-02B-03	PEG-D1-02B-04	PEG-D1-02B-05	PEG-D1-02B-06	3-09
4.00 - 4.20	Evening Break												
4.20 - 6.00	<b>Parallel Oral Session 3</b>												03A:
	PEG-D1-03A-01	PEG-D1-03A-02	PEG-D1-03B-01	PEG-D1-03B-02	PEG-D1-03B-03	PEG-D1-03B-04							CH2
													03B:
													CH3
6.00	<b>END OF DAY 1</b>												

June 16, 2010 (Wednesday) - DAY 2														
Time	Event												Venue	
8.30 - 10.30	<b>Plenary Lecture 2</b>												CH3	
	Discipline Integration; Where Are We Now?													
10.30 - 10.50	Morning Break													
10.50 - 12.50	<b>Parallel Oral Session 5</b>												05A:	
	PEG-D2-05A-01	PEG-D2-05A-02	PEG-D2-05A-03	PEG-D2-05A-04	PEG-D2-05A-05	PEG-D2-05A-06	PEG-D2-05B-01	PEG-D2-05B-02	PEG-D2-05B-03	PEG-D2-05B-04	PEG-D2-05B-05	PEG-D2-05B-06	3-09	05B:
12.50 - 2.00	Lunch													
2.00 - 4.00	<b>Parallel Oral Session 6</b>												06A:	
	PEG-D2-06A-07	PEG-D2-06A-08	PEG-D2-06A-09	PEG-D2-06A-10	PEG-D2-06A-11	PEG-D2-06A-12	PEG-D2-06B-04	PEG-D2-06B-05	PEG-D2-06B-06	PEG-D2-06B-07	PEG-D2-06B-08	PEG-D2-06B-09	CH2	06B:
4.00 - 4.20	Evening Break													
4.20	END OF DAY 2													

**June 17, 2010 (Thursday) - DAY 3**

<b>Time</b>	<b>Event</b>												<b>Venue</b>
8.30 - 8.50	<b>Plenary Lecture 3</b>												CH3
	Present and Future trends in EOR Applications												
<b>Time</b>	<b>Event</b>												<b>Venue</b>
10.50 - 12.50	<b>Parallel Oral Session 9</b>												09A:
	PEG-D3-09A-01	PEG-D3-09A-02	PEG-D3-09A-03	PEG-D3-09A-04	PEG-D3-09A-05	PEG-D3-09A-06	PEG-D3-09A-07	PEG-D3-09B-08	PEG-D3-09B-09	PEG-D3-09B-10	PEG-D3-09B-11	PEG-D3-09B-12	CH2
	Lunch												09B:
													CH3
2.00 – 4.00	<b>Parallel Oral Session 10</b>												10A:
	PEG-D3-10A-01	PEG-D3-10A-02	PEG-D3-10A-03	PEG-D3-10A-04	PEG-D3-10A-05	PEG-D3-10A-06	PEG-D3-10B-05	PEG-D3-10B-06	PEG-D3-10B-07	PEG-D3-10B-08	PEG-D3-10B-09	PEG-D3-10B-10	CH2
	Evening Break												10B:
													CH3
<b>4.20 – 6.00</b>	<b>CLOSING CEREMONY</b>												

# ORAL & PLENARY SESSION

TUESDAY, 15 June 2010

## SESSION 1 (12.00 pm – 13.00 pm)

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Session 1A: WAG Challenges (Room: CH2)

Chairperson: Noaman El-Khatib, Willem Schulte

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- 12.00 PEG-D1-01A-01  
**Application of Radioactive and Chemical Tracers for Optimizing WAG Pilot in Malaysia**  
*Zaidi Zainal Abdullah*
- 12.20 PEG-D1-01A-02  
**The effect of Skin Factor On Water Injectivity during WAG process**  
*Mohamed Ali Hamid; Birol Demiral*
- 12.40 PEG-D1-01A-03  
**Gravity Assisted Simultaneous Water and Gas (GASWAG) Injection Improves Recovery in Producing Thin Oil Rim**  
*Raj Tewari; Thang Bui; Mohamad Bakar; Tg Rasidi Tg Othman; Rashmin Dandekar*

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Session 1B: Reservoir Characterization (Geophysics-1) (Room: CH3)

Chairperson: Wan Ismail Wan Yusoff, Jaizan Hardi Mohammed Jais

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- 12.00 PEG-D1-01B-01  
**Interpreting Fractures in Tight sand reservoirs of Malay basin through 3D Visualization of Inversion and Discontinuity Attributes**  
*Yeshapl Singh; Siti Yusak; Yu Mou; A Rahman Eusoff*
- 12.20 PEG-D1-01B-02  
**Identification of Late Oligocene Inversion using Seismic and Microseismic Fracture Analysis, and Its Impact in Fractured Basement Exploration - A Case Study, Malay Basin, Malaysia.**  
*Ogail Salam; Abdelwahab Noufal; Sahalan Aziz*
- 12.40 PEG-D1-01B-03  
**The Effects Of Tectonic Evolutions On The Elastic Properties Of Malay Basin.**  
*Uzir Alimat*

**TUESDAY, 15 June 2010**

**SESSION 2 (02.00 pm – 04.00 pm)**

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Session 2A: Chemical EOR-1 (Room: 3-09)

Chairperson: Rahim Masoudi, Min Teong Lim

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- 2.00 PEG-D1-02A-01  
**Improved ASP Process Using a New Chemicals Combination System**  
*Khaled A. Elraies; Isa Tan ; Mohammad Taufiq Fathaddin*
- 2.20 PEG-D1-02A-02  
**Effect of Adsorption, Dispersion and Slug Size on Chemical EOR**  
*Noaman El-Khatib*
- 2.40 PEG-D1-02A-03  
**A New Water Clarifier for ASP Production**  
*Jacqueline Behles; Scott Kerr; Greg Khan ; Kirk Miner ; James Towner*
- 3.00 PEG-D1-02A-04  
**Rheological behaviour and quantify the shear thinning effect of anionic grafted polyacrylamide gel**  
*Ayman Abojabal*
- 3.20 PEG-D1-02A-05  
**Review of ASP Flooding- Field Experiences**  
*Saeed Majidaie*
- 3.40 PEG-D1-02A-06  
**Development of Additives from Jatropa Oil and Xanthan Gum for ASP in EOR.**  
*Sabreena Aslam, Ismail M Saaid*

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Session 2B: Reservoir Characterization (Rock Properties-1) (Room: 3-10)

Chairperson: Eswaran Padmanaphan

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- 2.00 PEG-D1-02B-01  
**Surface conductivity, pore radius distribution and its effect to electrical dispersion: Study in shaly sandstones**  
*Hilfan Khairy; Zuhar Zahir Harith*
- 2.20 PEG-D1-02B-02  
**Rock Mechanical Properties Correlations for Fula Oilfield by Calibration of Wire-line Mechanical Properties using Core Measurements Result**  
*Elham Mohammed Khair; Shicheng Zhang*
- 2.40 PEG-D1-02B-03  
**Micro-mechanical Modeling of Rock Stress-Strain Curves from Log Data**

*Javier Franquet; Christopher Wolfe; Eliseo Rodriguez*

- 3.00 PEG-D1-02B-04  
**The benefits of new-generation electrical and acoustic images in challenging borehole environments**  
*Adriaan Bal*
- 3.20 PEG-D1-02B-05  
**Artificial-Intelligence Modeling for Permeability Prediction Using Well Log Data**  
*Mahsan Ahrimankosh; Seyed Mousa Mousavi Mirkalaei; Norolah Kasiri*
- 3.40 PEG-D1-02B-06  
**A method for evaluating fracture porosity and permeability distribution in low permeability fractured reservoirs**  
*Marie Lefranc; Alexis Carrillat; Andrew Carnegie*

## TUESDAY, 15 June 2010

### SESSION 3 (04.00 pm – 06.00 pm)

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Session 3A: Unconventional EOR (Room: CH2)  
Chairperson: Birol Demiral, M Sanif Maulut

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- 4.20 PEG-D1-03A-04  
**Core Flood EOR Experiment by Injecting Liquid Carbon Dioxide**  
*Fikri Irawan; Sonny Irawan; Mariyamni Awang*
- 4.40 PEG-D1-03A-05  
**Unconventional Oil Recovery – Overview and Challenges**  
*Sheau Chien Chee*
- 4.40 PEG-D1-03A-06  
**Design Model of CO2 Injection Monitoring Into Depleted Oil Reservoir Using Induced Seismicity Data**  
*Maman Hermana; Zuhar Zahir Harith*
- 4.40 PEG-D1-03A-07  
**CO2 WAG Technology in Gas Condensate Reservoirs**  
*Abdullah Al-Abri; Robert Amin*

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Session 3B: Integrated Studies-1 (Room: CH3)  
Chairperson: Abdul Aziz Omar, Wan Ata Wan Daud

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- 4.20 PEG-D1-03B-01  
**Shale Diapirism as a Driving Mechanism for Overpressure, Sabah Basin, Malaysia**  
*Abdelwahab Noufal; Hairul Abu Bakar; Faizal Idris*
- 4.40 PEG-D1-03B-02  
**The Art of Water Injection: Breaking Oil Recovery Limit in Malaysian Thin Oil Rim**

## **Reservoirs**

*Azmukiff Muhammed Kifli; Ezzam Razak; Norhayati M Sahid-M Said; Keng Seng Chan; Nasir Darman*

- 5.00 PEG-D1-03B-03  
**Conceptual Field Development Plan for New Discoveries and Undeveloped Reservoirs in Malay Region**  
*M Medhat El Emam; Bob Howard Nadarajan; Muhammad Zulhaimi; Zatil Alifah Mustapha; Nor Arina Mohd Azam; Hanapiah Abdul Kadir; Xiao Qi Yeoh*
- 5.20 PEG-D1-03B-04  
**Subsurface Integration Effort Leads to a Better Reservoir Characterization and Recovery Improvement: Case Study Using M4 Carbonate Gas Condensate Field in Malaysia**  
*Mohd Azran Abd Jalil*
- 5.40 PEG-D1-03B-05  
**EOR Scheme Management**  
*Elsadig Mohamed-ali*

**WEDNESDAY, 16 June 2010**

**SESSION 5 (10.50 am – 12.50 pm)**

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Session 5A: Modelling (Room: 3-09)

Chairperson: Ali Fikret, Turgay Ertekin

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10.50 PEG-D2-05A-01  
**Numerical Solution of Laminar Flow of Non-Newtonian Fluids in Concentric annular**  
*Nuha Ebrahim*

11.10 PEG-D2-05A-02  
**Development of a Mathematical Model for Heavy Oil Recovery using Heat Assisted WAG with Chemical Additives**  
*Sami; Birol Demiral; Mariyamni Awang; Noaman El-Khatib*

11.30 PEG-D2-05A-03  
**Waterflooding Performance in Stratified Reservoirs**  
*Noaman El-Khatib*

11.50 PEG-D2-05A-04  
**Duration of Transient Pressure of Single-Phase Flow in Porous Media**  
*Mohammed Idrees Al-Mossawy; Birol Demiral*

12.10 PEG-D2-05A-05  
**Mining Data from Reservoir Simulation Results**  
*Akmal Aulia; Tham Boon Keat; M Sanif Maulut; Noaman El-Khatib; Mazuin Jasamai*

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Session 5B: Reservoir Characterization (Carbonates) (Room: 3-10)

Chairperson: Bernard Pierson, M Yamin Ali

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10.50 PEG-D2-05B-01  
**Microfabrics of a Carbonate Turbidite**  
*Eswaran Padmanabhan; Siti Nazor*

11.10 PEG-D2-05B-02  
**Biostratigraphy Correlation of the Subis Limestones with equivalent limestone bodies in offshore Balingian province, Sarawak and Prupuh limestones in Java**  
*Foo Yuan Han*

11.30 PEG-D2-05B-03  
**Modern analogues to heterogeneous Miocene carbonate reservoirs**  
*Bernard Pierson; Aicha Chalabi; Ani Ashaari*

11.50 PEG-D2-05B-04  
**Evolution and controlling factors of Miocene Carbonate build-up in Central Luconia, SE Asia: Insight from integration of geological and seismic characterization**  
*King King Ting; Elvis Chung; Omar AlJaaidi*

**WEDNESDAY, 16 June 2010**

**SESSION 6 (02.00 pm – 04.00 pm)**

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Session 6A: Chemical EOR-2 (CH2)

Chairperson: Isa M Tan, M Hasni Hashim

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- 2.00 PEG-D2-06A-07  
**Interfacial tension measurement of Saponin/Water/Oil using pendant drop method for enhancing oil recovery**  
*Mojtaba Pordel Shahri*
- 2.20 PEG-D2-06A-08  
**Mathematical Modeling of Adsorption and Dispersion in Chemical Flood EOS Compositional Flow**  
*Akmal Aulia; Noaman El-Khatib*
- 2.40 PEG-D2-06A-09  
**Improvement of Heavy Oil Recovery in Hydrocarbon Solvent Flooding by Proposing Optimum Solvent: A Micromodel Study**  
*Malek Allah Karami; Ebrahim Nasirahmadi; Riyaz Kharrat; Mohammad Hossein Ghazanfari*
- 3.00 PEG-D2-06A-10  
**Design of a New Polymeric Surfactant for Enhanced Oil Recovery Application**  
*Isa Tan; Khaled A. Elraies; Ismail Mohd Saaid*
- 3.20 PEG-D2-06A-11  
**An Integrated Workflow for Chemical EOR Pilot Design**  
*Mikel Morvan*
- 3.40 PEG-D2-06A-12  
**Rheological Properties of Guar Gum for Potential Use in Enhanced Oil Recovery In Sudanese Oil Fields**  
*Kmal Abdalla; Hassan Nimir; Ahmed Kasha*

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Session 6B: Reservoir Characterization (Geophysics-2) (CH3)

Chairperson: Deva Gosh, Jasmi M Taib

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- 2.00 PEG-D2-06B-04  
**Time Lapse Seismic Modeling For IOR/EOR Programme In Dulang Field, Peninsular Malaysia**  
*Noreehan Shahud; Russikin Ismail; Nurhakimah Mohamud; Yusliza M Sufian; Ramli Ibrahim; Yeshapl Singh*
- 2.20 PEG-D2-06B-05  
**Combination of minimum-maximum (m-m) attribute and zero-INTENS-difference (z-i-d) attribute for estimating below-tuning layer thickness; A new technique proposal**  
*Eko Purnomo; Zuhar Zahir Harith*

- 2.40 PEG-D2-06B-06  
**Improving Depth Conversion Through Hybrid Velocity Modelling**  
*Mohd Hafizal Mad Zahir; Chin Tee Ang; M Faizal Abd Rahim; Boshara Merghani Arshin; Amar Ghaziah Mohd Adnan; Nor Azhar Ibrahim*
- 3.00 PEG-D2-06B-07  
**Using Velocity Tomographic Inversion To Compensate Gas Wipeout Effect**  
*Amar Ghaziah Mohd Adnan; Chin Tee Ang; Mohd Hafizal Mad Zahir*
- 3.20 PEG-D2-06B-08  
**Integrating 4D Seismic Methods for Reservoir Monitoring**  
*Mohd Firdaus Abdul Halim; Salbiah Isa; Shuhadah Basaharudin; Salbiah Mad Sahad; Haziqah Othman; Mrinal Sengupta*
- 3.40 PEG-D2-06B-09  
**Thermal Considerations in Estimation of Over Pressure in Deep Reservoirs**  
*Wan Ismail Wan Yusoff*

## THURSDAY, 17 June 2010

### SESSION 9 (10.50 am – 13.00 pm)

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Session 9A: Production and Facilities (CH2)

Chairperson: Richard Henson, Willem Ruys Sablerolle

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- 10.50 PEG-D3-09A-01  
**Hydraulic design of a flow loop for erosion/corrosion tests**  
*Mysara Eissa Mohyaldinn*
- 11.10 PEG-D3-09A-02  
**Performance and Application of New Anionic D3F-AS05 Viscoelastic Fracturing Fluid**  
*Elham Mohammed Khair; Shicheng Zhang; Shanbo Mou; Mei Zhang*
- 11.30 PEG-D3-09A-03  
**Corrosion Inhibitors to Protect Production Wells and Pipelines in Carbon Dioxide Enhanced Oil Recovery (CO<sub>2</sub> – EOR) fields**  
*Sunder Ramachandran; Charles Fortenberry; Sebastian Mancuso; Steven Weghorn; Andy Williamson*
- 11.50 PEG-D3-09A-04  
**Experimental and Numerical Study of Wax Deposition in Crude oil**  
*Elhassan Abdallah*

12.10 PEG-D3-09A-05  
**The Use of Artificial Neural Networks for Effectively Optimizing Production from Multiphase Flow Wells**  
*Mohammed Ayoub; Birol Demiral*

12.30 PEG-D3-09A-06  
**Study of Restartability of GNPOC Crude Oil Pipeline – Rheology Analysis**  
*Hassan Nimir; Quosay Awad*

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Session 9B: Reservoir Characterization (Rock Properties-2)

Chairperson: Askury Abd Kadir, Wan Hasia

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10.50 PEG-D3-09B-07  
**Fracture Characterization, Critically Stressed Fractures and Geomechanical Analysis- a Case study of Blocks 01 and 02, Vietnam**  
*Abdelwahab Noufal; Ahmad Idriszuldin; Khairul Zaini*

11.10 PEG-D3-09B-08  
**Petrophysical study and reservoir Characterization of the Lower Cretaceous Upper Biyad Clastic Reservoir, Kharir oilfield, Masila Basin, Yemen**  
*Mohammed Hakimi; Mohamed Shalaby; Wan Hasiah Abdullah*

11.30 PEG-D3-09B-09  
**Uncertainties Analysis in Seismic Reservoir Characterisation Through Rock Physic Modeling - A Case Study from Sarawak Basin**  
*Noreehan Shahud; Nurhakimah Mohamud; Yeshapl Singh*

11.50 PEG-D3-09B-10  
**Using the concept of data trends to identify, map and evaluate low resistivity low contrast gas reservoirs: an integrated geosciences approach in South East Asia**  
*Bill Holmes*

12.10 PEG-D3-09B-11  
**Reservoir Characterization: Ensuring successful application of LWD Formation Tester – a practical approach based on experience in Malaysian waters**  
*Abraham Simanjuntak*

12.30 PEG-D3-09B-12  
**Sedimentary Characterization of Fluvio-Estuarine Reservoirs Using Electrical Image Logs: the McMurray Formation, North-eastern Alberta, Canada**  
*Bingjian Li; Sam Quantz*

## THURSDAY, 17 June 2010

### SESSION 10 (02.00 am – 04.00 pm)

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Session 10A: EOR Gas Injection

Chairperson: Ismail M Saaid, Abdolrahim Ataei

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- 2.00 PEG-D3-10A-01  
**Promoting Safety Integrity Level in CO<sub>2</sub> Injection - Enhanced Oil Recovery Projects**  
*Mohammad Amin Shoushtari; Sonny Irawan*
- 2.20 PEG-D3-10A-02  
**Laboratory Evaluation of Gas Injection as a Water-Alternating-Gas Enhanced Oil Recovery Process**  
*Wannuruladyani Wanrazak*
- 2.40 PEG-D3-10A-03  
**Prediction of the Oil Properties, Fluid Characterization after Gas Injection and Swelling Phenomena**  
*Ahmad Khanifar*
- 3.00 PEG-D3-10A-04  
**Field-Tested, ESP Lift Reliability Process That Takes Time Management to a New Level of Optimization in a CO<sub>2</sub> Flood Field**  
*Michael Gagner; Bryson Wolfe*
- 3.20 PEG-D3-10A-05  
**Effect of Reservoir Heterogeneity on Gas Assisted Gravity Drainage Project**  
*Tham Boon Keat; Birol Demiral*
- 3.40 PEG-D3-10A-06  
**Impact of Pore-Pressure on the Recovery Efficiency from CO<sub>2</sub>-Methane Displacement Experiments**  
*Hiwa Sidiq; Robert Amin*

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Session 10B: Integrated Studies-2

Chairperson: Sonny Irawan

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- 2.00 PEG-D3-10B-06  
**Modelling the intrusion effects of an endoscopic flow diagnostic probe in a Rotating Annulus**  
*David Adebayo; Abdelwahab Aroussi; Neetin Lad*
- 2.20 PEG-D3-10B-07  
**Design Methodology of Sandface Completion for Long Multizone Intervals**  
*Shahryar Saebi*
- 2.40 PEG-D3-10B-08  
**Application of production data analysis in oil well performance and reservoir characterization**

*Ahmed Eltaib*

3.00

PEG-D3-10B-09

**Characterization of Terengganu Silica Sand for Possible Use as Proppant**

*Ismail Mohd Saaid; Suhaila Muhammad*

3.20

PEG-D3-10B-10

**Preliminary Study of Jatropha Curcas Oil as Ester-Based Drilling Fluids**

*Dina Kania; Sonny Irawan, Mazlin bt Idress*

3.40

PEG-D3-10B-11

**Impact of Spatial Variability in Microfabrics on Heat Transfer Characteristics of Some Sedimentary Rocks**

*Eswaran Padmanabhan; Rajamohan Ganeson; Siti Nazar; Mohd Afiq Mokhtar; Prasanna Viswanathan*