

2ND YOUNG HYDROLOGIST CAREER EVENTS
&
MOU SIGNING CEREMONY BETWEEN
DEPARTMENT OF IRRIGATION AND DRAINAGE
MALAYSIA & UNITEN



DATE: 29 MAY 2017

TIME: 9.00 AM—5.00 PM

**VENUE: DEWAN KULIAH 1 (DK1), COLLEGE OF
COMPUTER**

**SCIENCE & INFORMATION TECHNOLOGY (CSIT),
UNITEN PUTRAJAYA CAMPUS**



CAREER TALK



**PAPER & POSTER
COMPETITION**



**HYDRAULIC ARM
COMPETITION**



**MoU SIGNING
CEREMONY**

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1.0 BACKGROUND

“2nd Young Hydrologist Career Events” is a yearly event, conducted by The Malaysian Hydrological Society, aimed for young engineers. The event is an opportunity for all early career hydrologists, from academia and industry, to showcase their work across a broad range of hydrology related areas. This includes flood risk, rainfall-runoff, urban drainage/hydrology, modelling, coastal hydrology, hydrometeorology, surface hydrology, hydrogeology, drainage basin management and water quality. The “2nd Young Hydrologist Career Events” enables participants to empower themselves with the current information and issues within the hydrological world, both within Malaysia as well as within the region. Participants may acquire the skills necessary to better prepare themselves to face the ever challenging nature in the world of hydrology, as well as providing internship opportunities for students. This one day event included career talks, paper & poster competition and hydraulic arm competition. Attractive prizes were awarded to the best poster, paper and presentation.

2.0 ABOUT MHS

Malaysian Hydrological Society (MHS) is a society registered in March 2000 dedicated to all people: professional, sub-professional, teachers, and student. The Society aims to promote awareness, importance and advancement of hydrology for our environment and society. The objectives of the Society are:

1. To promote education and training;
2. To promote scientific research and study of hydrology
3. To collaborate with other scientific organizations who have similar objectives at national and international level including the advancement in the hydrologic discipline;
4. To disseminate information through the publication of newsletters, journals and other appropriate mean; and

5. To host, organise and participate in meetings, conferences etc. for the interchange of research findings, information and experiences.

3.0 THEMES

1. Hydrological Implications of Climate and Environmental Change
2. Sustainable Catchment Management
3. Sustainable Groundwater Development
4. Integrated Water Resources Management and Sustainable Development
5. Integrated Flood Management and Disaster Risk Reduction
6. Advanced Methods and Technology in Hydrological Modelling
7. Sustainable Reservoir Management and Hydro Power

4.0 OBJECTIVES

1. To bring together leading academics, researchers, practitioners, policy makers, government officers to exchange and share their experiences on all aspects of hydrology to the young hydrologist and student.
2. To empower young hydrologist with the most recent innovative, trends and concern as well as practiced challengers and solutions adopted encountered and within the hydrological world
3. To showcase young staff/student their research findings or work across a broad range of hydrology related area.

5.0 YOUNG HYDROLOGISTS EARLY CAREER EVENT

The Malaysian Hydrological Society held its 2nd Young Hydrologists Early Career Event at Universiti Tenaga Nasional (UNITEN) Kajang, Selangor on Monday, 29 May 2017. This event presented an opportunity for all early career hydrologists from academic institutions and industry to showcase their work across a broad range of hydrology related areas. This included flood risks, rainfall-runoff, urban drainage/hydrology, modelling, coastal hydrology, hydrometeorology, surface hydrology, hydrogeology, drainage basin management and water quality.

The 2nd Young Hydrologist Early Career Event enables participants to empower themselves with the current information and issues within the hydrological world, both within Malaysia as well as within the region. Participants may acquire the skills necessary to better prepare themselves to face the ever challenging nature in the world of hydrology, as well as providing internship opportunities or students.

During the day, an MoU between The Government of Malaysia, Department of Irrigation & Drainage (DID) and UNITEN was signed to develop and maintain an ongoing relationship between the two organisations and to explore the possibilities of co-operation in areas of mutual interest and benefit. This MoU is especially formulated to develop research and development capabilities and ensuring 'life-long learning' is achieved in the management of storm water and flood mitigation. It is also hoped that the MoU will enable the two parties to develop suitable green technologies to enhance the river water quality, conserve the environment and its natural resources as well as reducing negative environmental impacts towards the society and the country. It is also part of a smart collaboration strategy initiative between university and the government agency, in developing hydrology and water resources related researches.

The signatories from UNITEN were YBhg. Dato' Prof Ir Dr Kamal Nasharuddin Mustapha, Vice Chancellor of UNITEN and YBhg. Datin Prof Ir Dr Lariyah Mohd Sidek, Assistant Vice Chancellor (Research), UNITEN. While DID was represented by YBhg. Dato' Sri Ir. Haji Zulkefli bin Hassan, Director General of DID Malaysia.

DID and UNITEN first signed an MoU in May 2010 in areas related to hydrology and water related development and research. Researches and consultations were conducted, from problem and incident driven to a more holistic sustainability driven, between the two parties. The first MoU ended in 2015.

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The event started with a career Talk by Dr. James Lau, Associate Director of Dr. Nik and Associates, followed by the Mou Signing Ceremony at around 10 am, followed by a press conference. The afternoon session continued with paper presentations from young hydrologist and followed by award giving ceremony to the best poster, paper and presentation. (The full event tentative is shown in appendix 3).

The event was officiated by the General Director, Jabatan Pengairan dan Saliran Malaysia, YBhg. Dato' Sri Ir. Haji Zulkefli bin Hassan.

Career talks by invited speakers, as the following:

No	Speakers	Affiliation	Title of Talk
1	Dato'Paduka Dr. Ir. Hj. Keizrul bin Abdullah	Former Director General of the Department of Irrigation and Drainage Malaysia	
2	Dr. James Lau Kok	Associate Director of Dr. Nik and Associates	
3	Datin Prof Ir. Dr.Lariyah Mohd Sidek	Assistant Vice Chancellor (Research), UNITEN	Career Conscious In Hydrology As Academician and Researcher'; The Road Less Taken

The afternoon session proceeded with poster submission and paper presentations by participants. A total of twenty three (23) papers were submitted, and eight (8) papers were selected to be presented in the event. They are:

No	Speakers	Affiliation	Abstrak Title
1	Wan Hazdy Azad Wan Abdul	DID	2D Hydrodynamic Modelling using unstructured mesh
2	Samantha Loke	DNASB	Preliminary Conceptual Design Of Coastal And Estuary Barrage – Design Considerations And Analyses
3	Pn Hairun Aishah	UNITEN	Economic Analysis Of Gross Pollutant Trap Installed In Urban River Catchment For Klang River Basin

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No	Speakers	Affiliation	Abstrak Title
4	Nadeem Nawaz	UTM	Dynamic Neuro-Fuzzy Systems for Continuous and Event Based Rainfall- Runoff Modeling
5	Suriani Hassin	DID	“SISPAA” as a Tool to Integrate Complaints in Water Resources Management
6	Puniyarasen Peremulselum	UNITEN	Use of Bio-ball for Bio-filtration and Reduction of Evaporation in Reservoir
7	Sheikh Ahmad Farhan	ZHL	Formal Safety Inspection at Batu Dam, Selangor
8	Amirah Hanim	ZHL	An overview of national flood forecasting and warning system for Kelantan River Basin

Prizes were given out for the first, second, third places for Presentation Award and Hydraulic competition arm and Best Poster Award. The CSTEN Overall Best Prize Award was won by Pn. Suriani Hassin, which entitled her for an all-expenses paid attendance to International Conference on Energy & Environment, which will take place at UNITEN on DATE??. Full list of participants and winners is shown in Table 1. A total of 370 visitors and participant attended event.

Table 1 List of participants and winners

No.	Category	Register	Selected Presentation	Winner
1	Paper Presentation	23 paper (23 participant)	8 paper (8 paper)	1. 1 st runner up: Suriani Hassin (JPS) 2. 2 nd runner up: Samantha Loke (DNASB) 3. 3 rd runner up: Sheikh Ahmad Farhan (ZHL)
2	Poster Presentation	30 poster (30 participant)		1. 1 st runner up: Siti Najja Binti Mohd Zad @ Mohd Yazid (UPM) 2. 2 nd runner up: Swee Main Gye (UNITEN) 3. 3 rd runner up: Siti Nur Ummiah Binti Munir (UTHM)
3	Hydraulic Arm	11 group (31 participant)		1. 1 st runner up: The Hyraulica (UNITEN) 2. 2 nd runner up: Jess Arm (SMK Jalan Empat) 3. 3 rd runner up: Young Maker (UNITEN) 4. Creative Group: The Hydraulica (UNITEN) 5. Unique Group: Conquerors (UPM)

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We hope that this event would continue in future, to further entice interest and passion in the field of hydrology, especially amongst the young professionals in Malaysia.

Prepared by:

Check and approved by:

(SITI HUMAIRA BINTI HARON)
Research Officer
Sustainable Technology and Environment
Group(STEG)
Institute of Energy Infrastructure (IEI)
Universiti Tenaga Nasional

(DATIN PROF. IR. DR. LARIYAH MOHD
SIDEK)
Head
Sustainable Technology and Environment (STEG)
Institute of Energy Infrastructure (IEI)
Universiti Tenaga Nasional

APPENDIX 1: PICTURES AND ACTIVITIES



Figure 1: Arrival of VVIP Guests



Figure 2: Welcoming Remarks by YBhg. Dato' Prof. Ir. Dr. Kamal Nasharuddin Mustapha, Vice Chancellor of UNITEN

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Figure 3: 2nd Young Hydrologist Career Events Officiating speech by YBhg. Dato' Sri Ir. Haji Zulkefli bin Hassan, Director General of DID Malaysia



Figure 4: 2nd Young Hydrologist Career Events Officiating ceremony by YBhg. Dato' Sri Ir. Haji Zulkefli bin Hassan



Figure 5: Introduction presentation of MoU between DID Malaysia & UNITEN by YBhg. Datin Prof. Ir. Dr.



Figure 6: MoU Signing Ceremony between DID and UNITEN

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Lariyah Mohd Sidek, Assistant Vice Chancellor
(Research), UNITEN

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PICTURES AND ACTIVITIES



Figure 7: Exchange of MoU between DID and UNITEN



Figure 8: Exchange of Gifts between UNITEN and DID



Figure 9: Exchange of Gifts between DID and UNITEN



Figure 10: Visit to Exhibition Area



Figure 11: Exhibition booth by UNITEN Research Institute



Figure 12: Exhibition booth by DID

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PICTURES AND ACTIVITIES



Figure 13: Career Talk 1, Dr. James Lau, Associate Director of Dr. Nik and Associates



Figure 14: Career Talk 2-YBhg. Datin Prof. Ir. Dr. Lariyah Mohd Sidek, Assistant Vice Chancellor (Research), UNITEN



Figure 15: Career Talk 3-YBhg. Dato' Paduka Dr. Ir. Hj. Keizrul Bin Abdullah, Former Director General of the Department of Irrigation and Drainage Malaysia



Figure 16: Oral Presentation Session by Mrs. Suriani Hassin (JPS)



Figure 17: Oral Presentation Session by Miss Samantha Loke (DNASB)



Figure 18: Oral Presentation Session by Mrs. Sheikh Ahmad Farhan (ZHL)

PICTURES AND ACTIVITIES



Figure 19: Hydraulic Arm Competition Booth



Figure 20: Hydraulic Arm Competition Booth



Figure 21: Poster presentation session



Figure 22: Poster presentation session

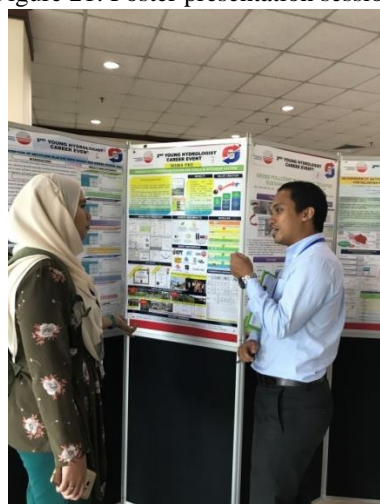


Figure 23: Poster presentation session



Figure 24: Poster presentation session

PICTURES AND ACTIVITIES

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Figure 25: Prize awarding ceremony (oral presentation)- 1st runner up: Suriani Hassin (JPS)



Figure 26: Prize awarding ceremony (oral presentation) - 2nd runner up: Samantha Loke (DNASB)



Figure 27: Prize awarding ceremony (oral presentation)- 3rd runner up: Sheikh Ahmad Farhan (ZHL)



Figure 28: Prize awarding ceremony (oral presentation)- Grand Award- Suriani Hassin (JPS)



Figure 29: Prize awarding ceremony (poster presentation)- 1st runner up: Siti Najja Binti Mohd Zad @ Mohd Yazid (UPM)



Figure 30: Prize awarding ceremony (poster presentation)- 2nd runner up: Swee Main Gye (UNITEN)

PICTURES AND ACTIVITIES



Figure 31: Prize awarding ceremony (poster presentation)- 3rd runner up: Siti Nur Ummiah Binti Munir (UTHM)



Figure 32: Prize awarding ceremony (Hydraulic Arm Competition)- 1st runner up: The Hyraulica (UNITEN)



Figure 33: Prize awarding ceremony (Hydraulic Arm Competition)- 2nd runner up: Jess Arm (SMK Jalan Empat)



Figure 34: Prize awarding ceremony (Hydraulic Arm Competition)- 3rd runner up: Young Maker (UNITEN)



Figure 35: Prize awarding ceremony (Hydraulic Arm Competition)- Creative Group: The Hydraulica (UNITEN)

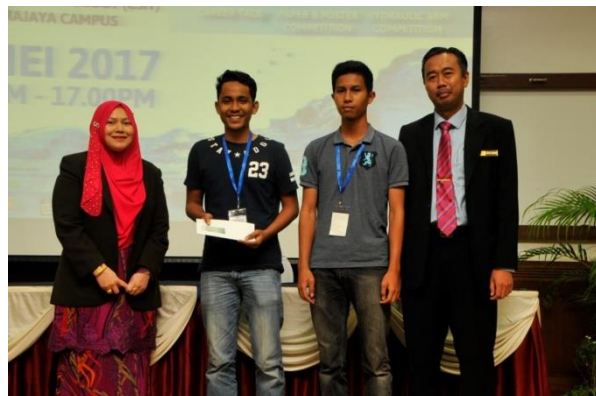


Figure 36: Prize awarding ceremony (Hydraulic Arm Competition)- Unique Group: Conquerors (UPM)

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PICTURES AND ACTIVITIES



Figure 37: Group picture of Organizing Committee



Figure 38: Group picture of participant and committee member

APPENDIX 2: CAREER TALK SPEAKER



YBHG DATUK PADUKA DR. IR. HJ. KEIZRUL ABDULLAH

Former Director General of the Department of Irrigation and Drainage Malaysia

Dato' Paduka Dr. Ir. Hj. Keizrul was appointed the Chairman of the Malaysian Green Technology Corporation (GreenTech Malaysia). He has been involved in the field of water resources engineering for the past 39 years. He began his career with the Department of Irrigation and Drainage Malaysia in 1975 and over an illustrious career, rose to become the Director General in 1997 until his retirement from a public service. As Director General he was the Technical Advisor to the Minister of Natural Resources and Environment on strategies and national policies on water resources. Dato' Keizrul continues to share his knowledge and experience on water and environment related issues, and on capacity building.



DR. JAMES LAU

Associate Director of Dr Nik & Associates

Dr James Lau is an Associate Director at Dr Nik and Associates Sdn. Bhd. He has delivered design, modelling, and applied research projects for clients in the Malaysia, Singapore and the United Kingdom. Dr. James is an Honorary Lecturer at Imperial College London where he has lectured on urban drainage modelling on the Environment Engineering. He is also an Honorary Research Fellow at Exeter University. He is currently on the executive committee of the Malaysian Hydrological Society and actively involved in the Water Resources Technical Division of the IEM. His research interest include spatial/radar rainfall, flood forecasting, climate change, modeling of integrated Urban Wastewater systems, optimisation, financial modelling and water quality.



YBHG DATIN PROF. IR. DR. LARIYAH MOHD SIDEK

Assistant Vice Chancellor (Research), Universiti Tenaga Nasional

Datin Prof. Ir. Dr. Lariyah is a Professor at Civil Engineering Department, UNITEN. Her current position is as an Assistant Vice Chancellor (Research) and Head of Centre for Sustainable Technology and Environment (CSTEN), Institute of Energy Infrastructure (IEI), UNITEN. As an engineer, she has actively involved in numerous consultancy works in the area of storm water & urban drainage, flood mitigation, flood modelling and dam safety. She is currently on the executive committee of the Malaysian Hydrological Society. As an academicians, she has published more than 250 papers in international and local journals and proceedings. Her research interest is focused on sustainable urban water and drainage, MSMA facilities design, storm water gross pollutant traps, urban hydrological modeling, storm water quality management, reservoir sedimentation, hydropower & dam break analysis, flood & inflow forecasting.

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APPENDIX 3: TENTATIVE

2nd Young Hydrologist Career Events And Memorandum of Understanding (MoU) Signing Ceremony between the Government of Malaysia (Department of Irrigation & Drainage) & Universiti Tenaga Nasional

Date: 29 May 2017 (MONDAY)

Time: 9:00 am – 5:00 pm

Venue: DK1, CSIT, UNITEN

TIME	ACTIVITY
8.30 – 9.00 am	Registration participant and visitor
9.00-9.40 am	Career Talk 1: Dr. James Lau <i>Associate Director of Dr. Nik and Associates</i>
9:40 – 10:00 am	Arrival of VIPs
10.00-11.30 am	Welcoming Remarks by YBhg. Dato' Prof Ir Dr Kamal Nasharuddin Mustapha <i>Vice Chancellor of UNITEN</i> 2 nd Young Hydrologist Career Events Officiating speech by YBhg. Dato' Sri Ir. Haji Zulkefli bin Hassan <i>Director General of DID Malaysia</i> Introduction presentation of MoU between DID Malaysia & UNITEN by Datin Prof Ir Dr Lariyah Mohd Sidek <i>Assistant Vice Chancellor (Research), UNITEN</i>

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TIME	ACTIVITY
	MoU Signing Ceremony & Exchange of MoU Exchange of Gifts & Photography Session Visit to Exhibition Area PRESS CONFERENCE
PARALLEL SESSION	
11.30 - 12.00 pm	Career Talk 2: YBhg. Dato' Paduka Dr. Ir. Hj. Keizrul Bin Abdullah <i>Former Director General of the Department of Irrigation and Drainage Malaysia</i>
12.00-12.30 pm	Career Talk 3: YBhg. Datin Prof. Ir. Dr. Lariyah Mohd Sidek <i>Assistant Vice Chancellor (Research), UNITEN</i>
12.30 – 2.00 pm	Break & Poster Review Session
2.00 – 3.00 pm	Presentation of Papers Session I
3.00 – 3.15 pm	Break
3.15 – 4.15 pm	Presentation of Papers Session II
4.15 – 4.30 pm	Summary & Q&A
4.30 – 5.00 pm	Best Paper Award; Distribution of Certificates; Photography Session; Closing Ceremony

INVENTION COMPETITION:
Hydraulic Arm Competition

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APPENDIX 4: ORGANIZING COMMITTEE

PATRON:

Dato' Prof. Ir. Dr. Kamal Nasharuddin Bin Mustapha (UNITEN)

Dato' Sri Ir. Haji Zulkefli bin Hassan (DID Malaysia)

ADVISOR:

Dato' Prof. Ir. Dr. Ibrahim Hussein

ORGANIZING CHAIR:

Datin Prof. Ir. Dr. Lariyah Mohd Sidek

ORGANIZING CO-CHAIR:

Dr. James Lau

TREASURER:

Mohd Hazri Mohd Hambali (MHS)

SECRETARY:

Dr. Siti Humaira Haron, Pn Hidayah Basri

TECHNICAL AND PUBLICATION:

Dr. Gasim Hayder Ahmed Salih, Pn. Faizah Jaafar,

En. Mohammad Muzani Mohammad Husni

MEDIA & PROTOCOL:

Pn. Norma Hassan, Pn. Suhailiza Omar, En. Mohamad Syazelin Mustapha, En. Mohamad Saimi
Ismail, Pn. Faizah Jaafar,

Pn. Nora Annuar, Squad Media UNITEN, all MCCD & all ITMS staff

DESIGNS, GIMMICKS AND GRAPHICS COMMITTEE:

En. Mohd Amir Firdaus, En Khairulnajmi Khairul bahar,
En Mohamad Nadzari, En. Hamdan Basri, Cik Aminah Shakirah Jaafar,

SPONSORSHIP:

Dr. James Lau

COMPETITION HYDRAULIC ARM:

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Dr. Gasim Hayder Ahmed Salih, Dr Ahmed Hussein Birima,
Dr Chow Ming Fai, Cik Nur Farazuein, Cik Nurul Elyeena
Rostam

LOGISTICS, FOOD & HOSPITALITY COMMITTEE:

Dr Mohd Hafiz Zawawi, En. Nazirul Mubin Zahari,
En. Hamalek Adam, Pn. Azizah Sairan, Pn. Aznita Abdul Aziz, En. Mohd Idham Mohd Najid,
Izzudin Bahar, MPP & ICE

ADVERTISING & PROMOTION COMMITTEE:

DID

Dato' Ir. Haji Mohd. Azmi Bin Ismail, Pn. Rubiatun Adawiah Ali , Cik Norazizah Abdul Kadir
& all DID Corporate Staff

UNITEN

Pn. Norma Hassan, Dr. Nur Irfah Bte. Mohd Pauzi ,
Ir. Haji Zakaria Bin Che Muda, Harizah Haris & all MCCD Staff

**CERTIFICATE OF APPOINTMENT/ATTENDANCE/
APPRECIATION:**

Cik Haslina Anis Basri, Pn. Siti Ummiah Munir, Cik Nurshahira Mohammad Noh,

BOOTH & EXHIBITION:

UNITEN

Cik Nur Farazuein, Cik Nurul Elyeena Rostam, Prof. Madya. Dr. Rohayu Che Omar, Cik
Rasyikin Roslan,
Pn. Intan Nor Zuliana Baharuddin, En. Shuhairy Norhisham, Dr. Normy Norfiza Binti Abdul
Razak,
Dr. Marayati Marsadek, Sunarti Abdullah,
Prof. Ir. Dr. Tiong Sieh Kiong, Assoc. Prof. Dr. Marini Othman

DID

Pn. Noorain Hj Abd Wahab, En. Wan Hazdy Azad Wan Abdul Majid, Ir. Nur Hareza Redzuan

2ND YOUNG HYDROLOGIST CAREER EVENTS
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APPENDIX 5: JUDGES

No	NAME	AFFILIATION	SESSION
1	Dr. James Lau	DNASB	Oral Presentation
2	Dr. Zed Diyana Zulkafli	UPM	
3	Dr. Chow Ming Fai	UNITEN	
4	Mr. Mohd Hazri Mohd Hambali	MHS	Hydraulic Arm Competition
5	Dato' Ir. Haji Zulkefli Haji Mustaffa	ZHL ENGINEERS SDN. BHD	
6	Dr. Ahmed Hussein Birima	UNITEN	
7	Dr. Mohd Hafiz Zawawi	UNITEN	Poster Presentation
8	Katherine	DHI Water & Environment (M) Sdn Bhd	
9	Dr. Chow Ming Fai	UNITEN	

APPENDIX 6: SPONSORSHIP

No.	Sponsor	Total (RM)
1.	Malaysian Hidrological Society	4,800.00
2.	ZHL Engineer Sdn. Bhd	1,200.00
2.	Dr. Nik & Associates Sdn Bhd	1,000.00
3.	DHI Water & Environment (M) Sdn Bhd	450.00
4.	HR Wallingford	500.00
5.	G&P Water & Maritime Sdn Bhd	800.00
Overall Total (RM)		8,750.00



APPENDIX 7: COST

APPENDIX 8: PROGRAMME BOOK

2ND YOUNG HYDROLOGIST CAREER EVENTS
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MALAYSIA & UNITEN

DATE: 29 MAY 2017
TIME: 9.00 AM—5.00 PM
VENUE: DEWAN KULIAH 1 (DK1) , COLLEGE OF COMPUTER
SCIENCE & INFORMATION TECHNOLOGY (CSIT), UNITEN PUTRAJAYA
CAMPUS

CAREER TALK
PAPER & POSTER
COMPETITION
HYDRAULIC ARM
COMPETITION
MoU SIGNING
CEREMONY

APPENDIX 9: POSTER

IN CONJUNCTION
 WITH:

2ND YOUNG HYDROLOGIST CAREER EVENTS

DATE: 29 MAY 2017
 TIME: 9.00 AM – 5.00 PM
 VENUE: DEWAN KULIAH 1(DK1), COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY (CSIT), UNITEN

15 Earliest Group Will Be Get Free Hydraulic Arm Kit. **HURRY UP & REGISTER NOW!!**

Certificate & SCORUN Are Provided

WINNERS

1st: RM300 & Medal
 2nd: RM200 & Medal
 3rd: RM150 & Medal

HYDRAULIC ARM COMPETITION

1) Max 3 members per team
 2) Recycle items are encouraged

Registration deadline (Hydraulic Arm)
26th May 2017

REGISTER NOW!! IT'S FREE!!

REGISTER ONLINE

<https://goo.gl/forms/pq1ZNMaDgxC8KIYj2>

Contact Us:
 Farazuien (016-7158534)
 Lyeena (011-21154626)

CHALLENGE

Place different shaped objects into designated box → Place soda cans over a 20cm wall. → Stack as much blocks within the specified time.

Brought by: [Logos] With cooperation: [Logos] Supported By: [Logos]

Any inquiry??

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APPENDIX 10: BROCHURE

about us

2nd Young Hydrologist Career Event

"2nd Young Hydrologist Career Events" is a yearly event, conducted by The Malaysian Hydrological Society, aimed for young engineers. The event is an opportunity for all early career hydrologists, from academia and industry, to showcase their work across a broad range of hydrology related areas. This includes flood risk, rainfall-runoff, urban drainage/hydrology, modelling, coastal hydrology, hydrometeorology, surface hydrology, hydrogeology, drainage basin management and water quality. The "2nd Young Hydrologist Career Events" will enable participants to empower themselves with the current information and issues within the hydrological world, both within Malaysia as well as within the region. Participants may acquire the skills necessary to better prepare themselves to face the ever challenging nature in the world of hydrology, as well as providing internship opportunities for students. This one day event will include career talks, paper & poster competition and hydraulic arm competition. Attractive prizes will be awarded to the best poster, paper and presentation.

Tentative

TIME	ACTIVITY
8.30 – 9.00 am	Registration participant and visitor
9.00 – 9.40 am	Career Talk 1: Dr. James Lau Associate Director of Dr. Nik and Associates
9.40 – 10.00 am	Arrival of VIPS Welcoming Remarks by YBhg. Dato' Prof. Dr. Kamal Nasharuddin Mustapa Vice Chancellor of UNITEN 2nd Young Hydrologist Career Events Officiating speech by YBhg. Dato' Sri Ir. Haji Zulkefri bin Hassan Director General of DID Malaysia
10.00 – 11.30 am	Introduction presentation of MOU between DID Malaysia & UNITEN by Datin Prof. Ir. Dr. Lariyah Mohd Sidek Assistant Vice Chancellor (Research) UNITEN MOU Signing Ceremony & Exchange of MOU Exchange of Gifts & Photography Session Visit to Exhibition Area Press Conference
COMPETITION SESSION	
11.30 – 12.00 am	Career Talk 2: YBhg. Dato' Paduka Dr. Ir. Hj. Keizrul Bin Abdullah Former Director General of the Department of Irrigation and Drainage Malaysia
12.00 – 12.30 pm	Career Talk 3: YBhg. Datin Prof. Ir. Dr. Lariyah Mohd Sidek Assistant Vice Chancellor (Research) UNITEN
12.30 – 2.00 pm	Break & Poster Review
2.00 – 3.00 pm	Presentation of Papers Session I
3.00 – 3.15 pm	Break
3.15 – 4.15 pm	Presentation of Papers Session II
4.15 – 4.30 pm	Summary & QA
4.30 – 5.00 pm	Best Paper Award, Distribution of Certificates, Photography Session, Closing Ceremony

VENUE: DEWAN KULIAH 1 (DK1), COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY (CSIT), UNITEN PUTRAJAYA CAMPUS

Collocated Events

- CAREER TALK
- PAPER & POSTER COMPETITION
- HYDRAULIC ARM COMPETITION

2nd Young Hydrologist Career Events



DATE: 29th MAY 2017
TIME: 9.00 AM – 5.00 PM
VENUE: DEWAN KULIAH 1 (DK1), COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY (CSIT), UNITEN PUTRAJAYA CAMPUS

Brought to you by:



In Cooperation With:

Supported By:



Career Talk

YBHG DATUK PADUKA DR. IR. HJ. KEIZRUL ABDULLAH

Dato' Paduka Dr. Ir. Hj. Keizrul was appointed the Chairman of the Malaysian Green Technology Corporation (GreenTech Malaysia). He has been involved in the field of water resources engineering for the past 39 years. He began his career with the Department of Irrigation and Drainage Malaysia in 1975 and over an illustrious career, rose to become the Director General in 1997 until his retirement from a public service. As Director General he was the Technical Advisor to the Minister of Natural Resources and Environment on strategies and national policies on water resources. Dato' Keizrul continues to share his knowledge and experience on water and environment related issues, and on capacity building.

DR. JAMES LAU

Dr James Lau is an Associate Director at Dr. Nik and Associates Sdn. Bhd. He has delivered design, modeling, and applied research projects for clients in the Malaysia, Singapore and the United Kingdom. Dr. James is an Honorary Lecturer at Imperial College London where he has lectured on urban drainage modelling on the Environment Engineering. He is also an Honorary Research Fellow at Exeter University. He is currently on the executive committee of the Malaysian Hydrological Society and actively involved in the Water Resources Technical Division of the IEM. His research interest include spatial/radar rainfall, flood forecasting, climate change, modeling of integrated Urban Wastewater systems, optimization, financial modeling and water quality.

YBHG DATIN PROF. IR. DR. LARIYAH MOHD SIDEK

Datin Prof. Ir. Dr. Lariyah is a professor of Civil Engineering Department at UNITEN. Her current position is as Assistant Vice Chancellor (Research) and Head of Centre for Sustainable Technology and Environment (CSTEN), Institute of Energy Infrastructure (EI), College of Engineering. As an engineer, she has actively involved in research related to storm water & urban drainage. She has involved in numerous consultancy works in the area of storm water & urban drainage and she is currently on the executive committee of the Malaysian Hydrological Society. As an academicians, she has published more than 250 papers. Her research interest is focused on sustainable urban water and drainage, MSMA facilities design, storm water gross pollutant traps, urban hydrological modeling, storm water quality management, reservoir sedimentation, hydropower & dam break analysis, flood & inflow forecasting.

Paper & Poster Competition

We are pleased to invite all young hydrologists, below the age of 40 to submit your abstracts, of 500 words or below, on a chosen topic linked to hydrology.

Submit your paper now!

Themes:

- Hydrological Implications of Climate And Environmental Change
- Sustainable Watershed Management
- Sustainable Groundwater Development
- Integrated Water Resources Management And Sustainable Development
- Integrated Flood Management And Disaster Risk Reduction
- Advanced Methods And Technology In Hydrological Modelling
- Sustainable Hydro-power And Reservoir Management

Important Dates:

Abstract submission > 24th May 2017
Poster submission > 26th May 2017
Registration deadline > 26th May 2017

Participant

The event provides an opportunity to network and build collaborative links with the industry. We are especially keen to hear from:

- Current and recent students (BSc, MSc and PhD)
- Hydrologists at an early career stage in their industry
- Current and recent Post Docs

Make Submission <http://goo.gl/forms/A1990fEJP>

Hydraulic Arm Competition

Hydraulic systems use liquid, usually oil, to transmit force. This system works on the same principles as other mechanical systems and trades force for distance. They are able to perform tasks that involve large amounts of weight with seemingly little effort based on the Pascal's Law

Competition Ideas:

- The hydraulic arm can perform 3 function:
 - Arm should rotate about its base.
 - Arm should bend so hand can move up and down.
 - Hand / Claw should be able to pick up and let go of items.
- Maximum of three members per team is allowed.
- The use of recycle items are encouraged.
- Liquids may be used inside the syringes and connected plastic tubing.

Challenges:

- Place different shaped objects into designated box
- Place soda cans over a 20cm wall.
- Stack as much blocks within the specified time.

Free Entry

Certificate and Scores are provided

Cool Prizes to be won

Registration deadline 22nd May 2017

<https://goo.gl/forms/pq1ZNMADgxCK8KjY2>

2ND YOUNG HYDROLOGIST CAREER EVENTS
&
MOU SIGNING CEREMONY BETWEEN DEPARTMENT OF IRRIGATION AND DRAINAGE
MALAYSIA & UNITEN

APPENDIX 11: BANNER

**2ND YOUNG HYDROLOGIST CAREER EVENTS &
MOU SIGNING CEREMONY BETWEEN UNITEN AND DEPARTMENT
OF IRRIGATION AND DRAINAGE MALAYSIA (DID MALAYSIA)**

DATE: 29th MAY 2017 **TIME:** 9.00 AM – 5.00 PM

VENUE: DEWAN KULIAH 1 (DK1) , COLLEGE OF
COMPUTER SCIENCE & INFORMATION TECHNOLOGY
(CSIT), UNITEN PUTRAJAYA CAMPUS



CAREER TALK



PAPER & POSTER
COMPETITION



HYDRAULIC ARM
COMPETITION

Brought to you by:  *In Cooperation with:*    *Supported By:*      

**MAJLIS PERASMIAN 2nd YOUNG HYDROLOGIST CAREER EVENTS
&
MAJLIS MENANDATANGANI PERJANJIAN PERSEFAHAMAN DI ANTARA
KERAJAAN MALAYSIA (UPS) & UNITEN**

29 MEI 2017 | 9.00 PG- 5.00 PTG

*Dewan Kuliah 1 (DK1) College of Computer Science & Information
Technology (CSIT) UNITEN Putrajaya Campus*



CAREER TALK



PAPER & POSTER
COMPETITION



HYDRAULIC ARM
COMPETITION

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APPENDIX 12: E-BACKDROP

MAJLIS MENANDATANGANI PERJANJIAN
PERSEFAHAMAN DI ANTARA KERAJAAN
MALAYSIA (JPS) & UNITEN

DEWAN KULIAH 1 (DK1)
COLLEGE OF COMPUTER SCIENCE &
INFORMATION TECHNOLOGY (CSIT)
UNITEN PUTRAJAYA CAMPUS

CAREER TALK PAPER & POSTER COMPETITION HYDRAULIC ARM COMPETITION

29 MEI 2017
09.00AM - 17.00PM



MAJLIS PERASMIAN
2nd YOUNG HYDROLOGIST CAREER EVENTS &
MAJLIS MENANDATANGANI PERJANJIAN
PERSEFAHAMAN DI ANTARA KERAJAAN
MALAYSIA (JPS) & UNITEN

DEWAN KULIAH 1 (DK1)
COLLEGE OF COMPUTER SCIENCE &
INFORMATION TECHNOLOGY (CSIT)
UNITEN PUTRAJAYA CAMPUS

CAREER TALK PAPER & POSTER COMPETITION HYDRAULIC ARM COMPETITION

29 MEI 2017
09.00AM - 17.00PM

