

# 3<sup>RD</sup> CONFERENCE OF ASEAN ROAD SAFETY

“ TECHNOLOGY AND INNOVATION  
IN ROAD SAFETY ”



6 ▶ 7 July 2021



Online



Available  
**CPD**  
points by  
BEM & MBOT

Link to join the conference:

**Day 1**

<https://tinyurl.com/yf424wfa>

**Day 2**

Parallel 1: <https://tinyurl.com/yf424wfa>

Parallel 2: <https://tinyurl.com/3nphb8wb>

Parallel 3: <https://tinyurl.com/as3hcjn8>

Parallel 4: <https://tinyurl.com/33ut4tav>

## DAY 1: TUESDAY, 06 JUL 2021

**0845 Participants Registration**

**0900 Opening Ceremony**

Welcoming Remarks  
Launch of CARS 2021  
CARS 2021 Sponsorship Appreciation  
Best Paper Award

**0930 Keynote Session**

Road Safety: The Forgotten  
Pandemic

**1000 Plenary Session I**

Innovation & Technologies in  
Road Safety

**1100 Plenary Session II**

Making Our Road Safer:  
Opportunities For Corporate  
Sectors

**1230 Virtual Exhibition**

**1300 BREAK**

**1400 Plenary Session III**

Real World Barriers to  
Policy Implementation

**1600 END OF DAY 1**

## DAY 2: WEDNESDAY, 07 JUL 2021

**0900 Opening Remarks**

**0905 Technical Session**

Parallel 1 : TS1 - Road Safety Engineering  
Parallel 2 : TS2 - Road User Behaviour  
Parallel 3 : TS2 - Road User Behaviour  
Parallel 4 : TS3 - Vehicle Safety

**1005 BREAK**

**1030 Technical Session**

Parallel 1: TS1 - Road Safety Engineering  
Parallel 2: TS2 - Road User Behaviour  
Parallel 3: TS2 - Road User Behaviour  
Parallel 4: TS3 - Vehicle Safety

**1130 Technical Session**

Parallel 1: TS1 - Road Safety Engineering  
Parallel 2: TS2 - Road User Behaviour  
Parallel 3: TS4 - ITS & Innovation in Road Safety  
Parallel 4: TS5 - Road Safety Management

**1230 Virtual Exhibition**

**1300 BREAK**

**1400 Technical Session**

Parallel 1: TS1 - Road Safety Engineering  
Parallel 2: TS2 - Road User Behaviour  
Parallel 3: TS5 - Road Safety Management  
Parallel 4: TS6 - Mass Transport & Safe Mobility

**1500 Technical Session**

Parallel 1: TS1 - Road Safety Engineering  
Parallel 2: TS2 - Road User Behaviour  
Parallel 3: TS5 - Road Safety Management

**1600 Closing Remarks**

**1605 END OF CARS 2021**

**Note:**

Kindly contact the **Secretariat (cars2021@miros.gov.my)** should you need any additional information.

**CARS 2021**



# CARS 2021 (DAY 1 : 6 JULY 2021)

Link: <https://tinyurl.com/yf424wfa>

<b>MODERATOR</b>	<b>Gs. Nur Fazzillah Mohamed Noordin</b>
<b>0900-0930</b>	<p><b>Opening Ceremony</b>  <b>Doa Recitation</b>  <i>Tc. Ahmad Sharil Bin Mohd Yusof</i></p> <p><b>Welcoming Remarks</b>  <i>Honorary Assistant Commissioner (CD), Ir. Ts. Dr. Khairil Anwar Abu Kasim, Adjunct Prof. Director General of MIROS</i></p> <p><b>Launch of CARS 2021</b>  <i>YB Datuk Seri Ir. Dr. Wee Ka Siong  Minister of Transport Malaysia</i></p> <p><b>CARS 2021 Sponsorship Appreciation</b>  <b>Best Paper Award</b></p>
<b>MODERATOR</b>	<b>Assoc. Lt. Col. (CD) Ir. Ts. Dr Muhammad Marizwan bin Hj. Abdul Manan</b>
<b>0930-1000</b>	<p><b>Keynote Session - Road Safety: The Forgotten Pandemic</b>  <b>PLUS' Sustainable Road Safety Initiatives</b>  <i>Datuk Azman Ismail  Managing Director of PLUS</i></p>
<b>MODERATOR</b>	<b>Assoc. Lt. Col. (CD) Ts. Azhar Hamzah</b>
<b>1000-1100</b>	<p><b>Plenary Session I - Innovation &amp; Technologies in Road Safety</b>  <b>Automated Driving Systems in Commercial Vehicle Operations</b>  <i>Dr. Richard J. Hanowski</i></p> <p><b>Towards the Development of Road Safety Strategies: Integrating Technology and A Robust Research Culture</b>  <i>Assoc. Lt. Col. (CD), Ir. Ts. Dr. Muhammad Marizwan Hj. Abdul Manan</i></p> <p><b>Detecting Driver's Mental Workload Using Innovation and Technologies</b>  <i>Dr. Ahmad Khushairy bin Makhtar</i></p>
<b>MODERATOR</b>	<b>Assoc. Lt. Col. (CD) Ts. Zulhaidi Mohd Jawi @ Said</b>
<b>1100-1230</b>	<p><b>Plenary Session II - Making Our Road Safer: Opportunities For Corporate Sectors</b></p> <p><b>Innovation &amp; Technologies in Road Safety</b>  <i>Ir. Mustakim Rashid (UEM Edgenta)</i></p> <p><b>Drone Tech : For Better and Safer Road Condition</b>  <i>Izwan Zainal Abidin (Terra Drone Technology Malaysia)</i></p> <p><b>Doing Our Part for Global Road Safety</b>  <i>Dr. Kim Leong Tan (3M Asia Pacific)</i></p> <p><b>The Road Safety Pandemic and AI</b>  <i>Dr. Sohaib Khan (Nextraf Technology)</i></p> <p><b>Innovation &amp; Technology to Vehicle Fire Protection</b>  <i>Holger Pfriem (Dafo Vehicle Fire Protection)</i></p>
<b>1230-1300</b>	<b>Virtual Exhibition</b>
<b>1300-1400</b>	<b>Break</b>
<b>MODERATOR</b>	<b>Assoc. Lt. Col. (CD) Ir. Ts. Dr Muhammad Marizwan bin Hj. Abdul Manan</b>
<b>1400-1600</b>	<p><b>Plenary Session III - Real World Barriers to Policy Implementation</b></p> <p><b>Road Safety Management : The Need or a Systematic Approach</b>  <i>Professor Dr. Andras Varhelyi</i></p> <p><b>Localisation and Outcome-based Approach to Road Safety: Malaysia's Experience in Overcoming Policy Implementation Barriers</b>  <i>Professor Dato' Dr. Ahmad Farhan Mohd Sadullah</i></p> <p><b>Road Safety Infrastructure in Thailand: Current Status and Policy Recommendations</b>  <i>Professor Dr. Kasem Choocharukul</i></p> <p><b>Motorcycle Safety Situation in Thailand: Barriers to Policy Implementation</b>  <i>Dr. Kunnawee Kanitpong</i></p>
	<b>End of Day One</b>

# CARS 2021 (DAY 2 : 7 JULY 2021)

0900 - 0905	<b>OPENING REMARKS (VIDEO)</b> Assoc. Lt. Col. (CD) Ir. Ts. Dr. Muhammad Marizwan Abdul Manan <i>Chairman of CARS2021</i>			
<b>THEME</b>	<b>TS1: ROAD SAFETY ENGINEERING</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS3: VEHICLE SAFETY</b>
<b>MODERATOR</b>	Alvin Poi Wai Hoong	Mohd Khairul Alhapiz Ibrahim	Maslina Musa	Ts. Aizzat Syazwan Amir
<b>S1: 0905 - 1005</b>	<ul style="list-style-type: none"> <li>Dr. Kunnawee Kanitpong</li> <li>Ts. Nor Aznirahani Mhd Yunin</li> <li>Syed Tajul Malik Syed Tajul Arif</li> <li>Rohayu Sarani</li> </ul>	<ul style="list-style-type: none"> <li>Suhaila Azura Binti Abd Salam</li> <li>Maisha Khan</li> <li>Mohd Shafie Nemang</li> <li>Ts Muhamad Syukri Abdul Khalid</li> </ul>	<ul style="list-style-type: none"> <li>Dr. Mohamad Ghazali Masuri</li> <li>Nuura Addina Mohamad</li> <li>Dr. Suhaila Abdul Hanan</li> <li>Dr. Suhaila Abdul Hanan</li> </ul>	<ul style="list-style-type: none"> <li>Mohd Amirudin Mohamad Radzi</li> <li>Fauziana Lamin</li> <li>Ts. Zarir Hafiz Zulkipli</li> <li>Andrew Lee (TriTech Sdn Bhd)</li> </ul>
<b>THEME</b>	<b>TS1: ROAD SAFETY ENGINEERING</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS3: VEHICLE SAFETY</b>
<b>MODERATOR</b>	Norfaizah Mohamad Khaidir	Roziana Shahril	Ir. Ts. Mohd Hafzi Md Isa	Noor Faradila Paiman
<b>S2: 1030 - 1130</b>	<ul style="list-style-type: none"> <li>Assoc. Lt. Col. (CD) Ir. Ts. Dr. Muhammad Marizwan Abdul Manan</li> <li>Alvin Poi Wai Hoong</li> <li>Ts. Suhaimi Mat Saad</li> </ul>	<ul style="list-style-type: none"> <li>Siti Nurul Suhada Binti Rosle</li> <li>Phanuphong Phajongkha</li> <li>Nora Sheda Mohd Zulkiffli</li> </ul>	<ul style="list-style-type: none"> <li>Najwa Shaari</li> <li>Rabihah Ilyas</li> <li>Amelia Hazreena Abdul Ghani</li> <li>Lerdmanus Bumrungsup</li> </ul>	<ul style="list-style-type: none"> <li>Ir. Mohd Syazwan Solah</li> <li>Ts. Aqbal Hafeez Ariffin</li> <li>Ts. Ahmad Saife Salleh</li> <li>Dato' Ooi Win Juat (PUSPAKOM)</li> </ul>
<b>THEME</b>	<b>TS1: ROAD SAFETY ENGINEERING</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS4: ITS &amp; INNOVATION IN ROAD SAFETY</b>	<b>TS5: ROAD SAFETY MANAGEMENT</b>
<b>MODERATOR</b>	Nur Zarifah Harun	Normala binti Abdul Malik	Ts. Ahmad Noor Syukri Zainal Abidin	Nurulhana Borhan
<b>S3: 1130 - 1230</b>	<ul style="list-style-type: none"> <li>Ts. Ho Jen Sim</li> <li>Ts. Mohammad Johan Suhairin</li> <li>Nur Zalikha Abdul Jalil</li> <li>Nurul Ashikin Othman</li> </ul>	<ul style="list-style-type: none"> <li>Ts. Gs. Azzuhana Roslan</li> <li>Hawa Mohamed Jamil</li> <li>Roziana Shahril</li> </ul>	<ul style="list-style-type: none"> <li>Vimal Rau Aparow</li> <li>Dr. Ahmad Azad Ab. Rashid</li> <li>Ts. Dr. Noor Irza Mohd Zaki</li> <li>Ts. Muhammad Ruhaizat Abd Ghani</li> </ul>	<ul style="list-style-type: none"> <li>Mohd Hafiz Afifi Azmi</li> <li>Mohamad Suffian Ahmad</li> <li>Noor Kamaliah Alias</li> <li>Al-Baraa Abdulrahman Al-Mekhlafi</li> </ul>
<b>THEME</b>	<b>TS1: ROAD SAFETY ENGINEERING</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS5: ROAD SAFETY MANAGEMENT</b>	<b>TS6: MASS TRANSPORT &amp; SAFE MOBILITY</b>
<b>MODERATOR</b>	Ts Ho Jen Sim	Nora Sheda Mohd Zulkiffli	Dr. Ahmad Azad Ab. Rashid	Amelia Hazreena Abdul Ghani
<b>S4: 1400 - 1500</b>	<ul style="list-style-type: none"> <li>Amzar Fikri Mansorrudin</li> <li>Mohd Shafie Nemang</li> <li>Ts. Suhaimi Mat Saad</li> </ul>	<ul style="list-style-type: none"> <li>Dr. Rizati Hamidun</li> <li>Nur Zarifah Harun</li> <li>Noor Faradila Paiman</li> </ul>	<ul style="list-style-type: none"> <li>Dr. Zamira Hasanah Zamzuri</li> <li>Desheila Andarini</li> <li>Afiqah Omar</li> <li>Ali Ahmed Mohammed</li> </ul>	<ul style="list-style-type: none"> <li>Aini Hazwani Shahrir</li> <li>Gs. Nur Fazzillah Mohamed Noordin</li> <li>Aini Hazwani Shahrir</li> <li>Fawziya Fariha Anan</li> </ul>
<b>THEME</b>	<b>TS1: ROAD SAFETY ENGINEERING</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS5: ROAD SAFETY MANAGEMENT</b>	
<b>MODERATOR</b>	Ts. Gs. Azzuhana Roslan	Nor Fadilah Mohd Soid	Najwa Shaari	
<b>S5: 1500 - 1600</b>	<ul style="list-style-type: none"> <li>Umma Halima</li> <li>Aine Kusumawati</li> <li>Norfaizah Mohamad Khaidir</li> <li>Ts. Sharifah Allyana Syed Mohamed Rahim</li> </ul>	<ul style="list-style-type: none"> <li>Ts. Nurulhuda Jamaluddin</li> <li>Ts. Khairul Hafezad Abdullah</li> <li>Dr. Mohamad Ghazali Masuri</li> </ul>	<ul style="list-style-type: none"> <li>Mustika Sari</li> <li>Sakif Ahmed</li> <li>Akmalia Shabadin</li> <li>Maslina Musa</li> </ul>	
1600 - 1605	<b>CLOSING</b> Datuk Suret Singh <i>Chairman of MIROS</i>			

## T1: 0905 - 1005

	PARALLEL 1	PARALLEL 2	PARALLEL 3	PARALLEL 4
<b>LINK</b>	<a href="https://tinyurl.com/yf424wfa">https://tinyurl.com/yf424wfa</a>	<a href="https://tinyurl.com/3nphb8wb">https://tinyurl.com/3nphb8wb</a>	<a href="https://tinyurl.com/as3hcjn8">https://tinyurl.com/as3hcjn8</a>	<a href="https://tinyurl.com/33ut4tav">https://tinyurl.com/33ut4tav</a>
<b>THEME</b>	<b>TS1: ROAD SAFETY ENGINEERING</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS2: ROAD USER BEHAVIOUR</b>	<b>TS3:VEHICLE SAFETY</b>
<b>MODERATOR</b>	<b>Alvin Poi Wai Hoong</b>	<b>Mohd Khairul Alhapiz Ibrahim</b>	<b>Maslina Musa</b>	<b>Ts. Azzat Syazwan Amir</b>
<b>0900 - 0905</b>	<b>OPENING REMARKS (VIDEO)</b> Assoc. Lt. Col. (CD) Ir. Ts. Dr. Muhammad Marizwan Abdul Manan <i>Chairman of CARS2021</i>			
<b>T1: 0905 - 1005</b>	<p><b>Dr. Kunnawee Kanitpong</b>  <a href="mailto:harshana.senanayake@gmail.com">harshana.senanayake@gmail.com</a>                      Design and Implementation of a Two-Way Motorcycle lane in Thailand</p> <p><b>Ts. Nor Aznirahani Mhd Yunin</b>  <a href="mailto:noraznirahani@miros.gov.my">noraznirahani@miros.gov.my</a>                      Two-wheeler Intersection Treatment: A Review</p> <p><b>Syed Tajul Malik Syed Tajul Arif</b>  <a href="mailto:stmalik@miros.gov.my">stmalik@miros.gov.my</a>                      The Effect of Traffic Calming Measures to Motorcyclists</p> <p><b>Rohayu Sarani</b>  <a href="mailto:rohayu@miros.gov.my">rohayu@miros.gov.my</a>                      The Effect of the Non-Exclusive Motorcycle Lane (NEMCL) in Reducing Fatal Crashes</p>	<p><b>Suhaila Azura Binti Abd Salam</b>  <a href="mailto:suhaila.azura1553@gmail.com">suhaila.azura1553@gmail.com</a>                      An Observation on Motorcycle Stopping Behaviour at Signalized Intersection in Terengganu, Malaysia</p> <p><b>Maisha Khan</b>  <a href="mailto:maishakhan@iut-dhaka.edu">maishakhan@iut-dhaka.edu</a>                      Assessment of perceived service quality, safety and security of ride-sourcing services from passengers' perspective in Dhaka city</p> <p><b>Mohd Shafie Nemmag</b>  <a href="mailto:mohdshafie@miros.gov.my">mohdshafie@miros.gov.my</a>                      An Observational Study on Motorcycle Crossing Pattern at Three-Legged Signalised Junction in Malaysia</p> <p><b>Ts. Muhamad Syukri Abdul Khalid</b>  <a href="mailto:muhamadsyukri@miros.gov.my">muhamadsyukri@miros.gov.my</a>                      Improving Motorcycle Detection at Nighttime on Malaysia Road Traffic</p>	<p><b>Dr. Mohamad Ghazali Masuri</b>  <a href="mailto:zalie222@gmail.com">zalie222@gmail.com</a>                      Perceived Stress and Attitude towards Safe Driving Scale among Elderly in Malaysia</p> <p><b>Nuura Addina Mohamad</b>  <a href="mailto:nuura_addina@miros.gov.my">nuura_addina@miros.gov.my</a>                      Stress and Anxiety on the road: The silent victims and their sufferings</p> <p><b>Dr. Suhaila Abdul Hanan</b>  <a href="mailto:suhai@uum.edu.my">suhai@uum.edu.my</a>                      Factors Influence the Use of Mobile Phone While Driving Among Malaysian Young Drivers</p> <p><b>Dr. Suhaila Abdul Hanan</b>  <a href="mailto:suhai@uum.edu.my">suhai@uum.edu.my</a>                      Automated Enforcement System (AES) in Reducing Speeding Behaviours in Peninsular Malaysia: Perception of Being Caught (POBC)</p>	<p><b>Mohd Amirudin Mohamad Radzi</b>  <a href="mailto:mohdamirudin@miros.gov.my">mohdamirudin@miros.gov.my</a>                      Fatalities of Belt-Restrained Occupants in Frontal Crashes: The Contributing Factors</p> <p><b>Fauziana Lamin</b>  <a href="mailto:fauziana@miros.gov.my">fauziana@miros.gov.my</a>                      Relationship between Passenger Vehicle Value Reduction and Ownership Period for Locally Produced Passenger Vehicles</p> <p><b>Ts. Zarir Hafiz Zulkipli</b>  <a href="mailto:zarirhfx@gmail.com">zarirhfx@gmail.com</a>                      Failure Analysis in Vehicular Crash Reconstruction</p> <p><b>Andrew Lee (TriTech Sdn Bhd)</b>  <a href="mailto:andrewlee@tritech.com.my">andrewlee@tritech.com.my</a>                      Improving Visibility Improving Safety</p>

## T2: 1030 - 1130

	PARALLEL 1	PARALLEL 2	PARALLEL 3	PARALLEL 4
LINK	<a href="https://tinyurl.com/yf424wfa">https://tinyurl.com/yf424wfa</a>	<a href="https://tinyurl.com/3nphb8wb">https://tinyurl.com/3nphb8wb</a>	<a href="https://tinyurl.com/as3hcjn8">https://tinyurl.com/as3hcjn8</a>	<a href="https://tinyurl.com/33ut4tav">https://tinyurl.com/33ut4tav</a>
THEME	TS1: ROAD SAFETY ENGINEERING	TS2: ROAD USER BEHAVIOUR	TS2: ROAD USER BEHAVIOUR	TS3:VEHICLE SAFETY
MODERATOR	Norfaizah Mohamad Khaidir	Roziana Shahril	Ir. Ts. Mohd Hafzi Md Isa	Noor Faradila Paiman
T2: 1030 - 1130	<p><b>Assoc. Lt. Col. (CD) Ir. Ts. Dr. Muhammad Marizwan Abdul Manan</b> <a href="mailto:marizwan@miros.gov.my">marizwan@miros.gov.my</a> The Post-Mortem of Road Safety Audit Stage 5</p> <p><b>Alvin Poi Wai Hoong</b> <a href="mailto:alvinpoi@miros.gov.my">alvinpoi@miros.gov.my</a> A Sustainable Road Safety Investment Plan for Persiaran Saujana Impian</p> <p><b>Ts. Suhaimi Mat Saad</b> <a href="mailto:suhaimi.matsaad@gmail.com">suhaimi.matsaad@gmail.com</a> Evaluation Impact of Different Color Road Signage to the Driver's Behavior at Horizontal Curve of Two-Lane Rural Highway</p>	<p><b>Siti Nurul Suhada Binti Rosle</b> <a href="mailto:sitinurulsuhadas@yahoo.com">sitinurulsuhadas@yahoo.com</a> A Correlational Analysis on the Factors Contributing Road Accidents among Food Delivery Motorcyclists</p> <p><b>Phanuphong Phajongkha</b> <a href="mailto:st120592@ait.ac.th">st120592@ait.ac.th</a> Evaluating Factors of Severe Injuries on Motorcycle Rear-End Collision in Thailand by Ordered Regression Modeling</p> <p><b>Nora Sheda Mohd Zulkiffli</b> <a href="mailto:norasheda@miros.gov.my">norasheda@miros.gov.my</a> An Empirical Study on Motorcycle Movements at Four-legged Signalised Intersections</p>	<p><b>Najwa Shaari</b> <a href="mailto:najwa@miros.gov.my">najwa@miros.gov.my</a> A Survey On Seatbelt Wearing And Dummy Buckle Usage</p> <p><b>Rabihah Ilyas</b> <a href="mailto:rabihah@miros.gov.my">rabihah@miros.gov.my</a> Nudging Seatbelt Wearing via Technology</p> <p><b>Amelia Hazreena Abdul Ghani</b> <a href="mailto:ameliahazreena@miros.gov.my">ameliahazreena@miros.gov.my</a> An Observational Study on Stage Bus Driving Behaviour: A Case Study in Klang Valley</p> <p><b>Lerdmanus Bumrungrsup</b> <a href="mailto:lerdmanusb@ait.ac.th">lerdmanusb@ait.ac.th</a> A Study on Factors Lead to Rear-End Crash Potential in Car-Following Mode</p>	<p><b>Ir. Mohd Syazwan Solah</b> <a href="mailto:syazwan@miros.gov.my">syazwan@miros.gov.my</a> Ride-hailing Vehicle Roadworthiness Status</p> <p><b>Ts. Aqbal Hafeez Ariffin</b> <a href="mailto:aqbal@miros.gov.my">aqbal@miros.gov.my</a> Roadworthiness of Aged Heavy Commercial Vehicles from Vehicle Inspection Perspective</p> <p><b>Ts. Ahmad Saife Salleh</b> <a href="mailto:ahmadsaife@miros.gov.my">ahmadsaife@miros.gov.my</a> NCAP-Rated Fleet in Malaysia's E-Hailing Policy</p> <p><b>Dato' Ooi Win Juat (PUSPAKOM)</b> <a href="mailto:ooi.winjuat@puspakom.com.my">ooi.winjuat@puspakom.com.my</a> Vehicle Inspection Process at PUSPAKOM towards Road Safety</p>



## T3: 1130 - 1230

	PARALLEL 1	PARALLEL 2	PARALLEL 3	PARALLEL 4
LINK	<a href="https://tinyurl.com/yf424wfa">https://tinyurl.com/yf424wfa</a>	<a href="https://tinyurl.com/3nphb8wb">https://tinyurl.com/3nphb8wb</a>	<a href="https://tinyurl.com/as3hcjn8">https://tinyurl.com/as3hcjn8</a>	<a href="https://tinyurl.com/33ut4tav">https://tinyurl.com/33ut4tav</a>
THEME	TS1: ROAD SAFETY ENGINEERING	TS2: ROAD USER BEHAVIOUR	TS4: ITS & INNOVATION IN ROAD SAFETY	TS5: ROAD SAFETY MANAGEMENT
MODERATOR	Nur Zarifah Harun	Normala binti Abdul Malik	Ts. Ahmad Noor Syukri Zainal Abidin	Nurulhana Borhan
T3: 1130 - 1230	<p><b>Ts. Ho Jen Sim</b> <a href="mailto:jsho@miros.gov.my">jsho@miros.gov.my</a> An Empirical Study on Gap Acceptance at Roundabout</p> <p><b>Ts. Mohammad Johan Suhairin</b> <a href="mailto:johan.suhairin@minconsult.com">johan.suhairin@minconsult.com</a> Empirical Study Analysis of Different Colour Of Signages At Tangent Horizontal Curve Area Of Two-Lane Rural Highway</p> <p><b>Nur Zalikha Abdul Jalil</b> <a href="mailto:nurzalikhajalil272@gmail.com">nurzalikhajalil272@gmail.com</a> A Case Study: The 85th Percentile Operational Speed of a Two-Lane Rural Highway at Different Road Segments for Different Speed Limit Signage Colours</p> <p><b>Nurul Ashikin Othman</b> <a href="mailto:alaramli@usm.my">alaramli@usm.my</a> How many chevrons apart for a safe lane changing?</p>	<p><b>Ts. Gs. Azzuhana Roslan</b> <a href="mailto:azzuhana@miros.gov.my">azzuhana@miros.gov.my</a> Malaysian Cyclist: How Visible They Are</p> <p><b>Hawa Mohamed Jamil</b> <a href="mailto:hawajamil@miros.gov.my">hawajamil@miros.gov.my</a> Identification of Intersection Treatment based on International Best Practices for Bicycle Lane</p> <p><b>Roziana Shahril</b> <a href="mailto:roziana@miros.gov.my">roziana@miros.gov.my</a> Basikal Lajak: What you need to know</p>	<p><b>Vimal Rau Aparow</b> <a href="mailto:Vimal.Rau@nottingham.edu.my">Vimal.Rau@nottingham.edu.my</a> Virtual Safety Testing Framework for Automated Vehicle in Urban Environment using Malaysian Road Networks</p> <p><b>Dr. Ahmad Azad Ab. Rashid</b> <a href="mailto:a.azad@miros.gov.my">a.azad@miros.gov.my</a> Psychometric Analysis of Hazard Prediction Test Using Rasch Measurement Model</p> <p><b>Ts. Dr. Noor Irza Mohd Zaki</b> <a href="mailto:noorirza.kl@utm.my">noorirza.kl@utm.my</a> Auditory Alert for In-Vehicle Safety Technologies: Awareness and Perception</p> <p><b>Ts. Muhammad Ruhaizat Abd Ghani</b> <a href="mailto:muhammadruhaizat@miros.gov.my">muhammadruhaizat@miros.gov.my</a> Development Of Variable Speed Limit (VSL) System on Adverse Weather Condition In Malaysian Expressway</p>	<p><b>Mohd Hafiz Afifi Azmi</b> <a href="mailto:shari990@uitm.edu.my">shari990@uitm.edu.my</a> A Scorecard for Measuring Performance of Heavy Good Vehicle (HGV) Drivers: A perspective of Community Safety</p> <p><b>Mohamad Suffian Ahmad</b> <a href="mailto:wahidameer@miros.gov.my">wahidameer@miros.gov.my</a> Improvement on Safety Practices among Express Bus Operators Through Safety Star Grading (SSG)</p> <p><b>Noor Kamaliah Alias</b> <a href="mailto:noorkamaliah@miros.gov.my">noorkamaliah@miros.gov.my</a> Commuting Accident: Issues Related to Speeding and PPE Usage among motorcycle commuters in Peninsular Malaysia</p> <p><b>Al-Baraa Abdulrahman Al-Mekhlafi</b> <a href="mailto:albaraa901@gmail.com">albaraa901@gmail.com</a> The characteristics of traffic road accidents of oil and gas transportation tankers in Malaysia : Descriptive Statistics</p>

## T4: 1400 - 1500

	PARALLEL 1	PARALLEL 2	PARALLEL 3	PARALLEL 4
LINK	<a href="https://tinyurl.com/yf424wfa">https://tinyurl.com/yf424wfa</a>	<a href="https://tinyurl.com/3nphb8wb">https://tinyurl.com/3nphb8wb</a>	<a href="https://tinyurl.com/as3hcjn8">https://tinyurl.com/as3hcjn8</a>	<a href="https://tinyurl.com/33ut4tav">https://tinyurl.com/33ut4tav</a>
THEME	TS1: ROAD SAFETY ENGINEERING	TS2: ROAD USER BEHAVIOUR	TS5: ROAD SAFETY MANAGEMENT	TS6: MASS TRANSPORT & SAFE MOBILITY
MODERATOR	Ts Ho Jen Sim	Nora Sheda Mohd Zulkifli	Dr. Ahmad Azad Ab. Rashid	Amelia Hazreena Abdul Ghani
T4: 1400 - 1500	<p><b>Amzar Fikri Mansorudin</b> <a href="mailto:raha@uthm.edu.my">raha@uthm.edu.my</a> On Street Parking Impact Towards Level of Service (Los) Of Urban Street- Case Study At Jalan Susur Kulai 2, Taman Indahpura, Kulai, Johor</p> <p><b>Mohd Shafie Nemmag</b> <a href="mailto:mohdshafie@miros.gov.my">mohdshafie@miros.gov.my</a> The Effectiveness of the Zig-Zag Marking Approaching Pedestrian Crossing - Case Study in Malaysia</p> <p><b>Ts. Suhaimi Mat Saad</b> <a href="mailto:suhaimi.matsaad@gmail.com">suhaimi.matsaad@gmail.com</a> Case Study: A Comparison Between Road Users' Operational Speed Towards Without And Red Signage At A Horizontal Curve Of A Two-Lane Rural Highway</p>	<p><b>Dr. Rizati Hamidun</b> <a href="mailto:rizati@miros.gov.my">rizati@miros.gov.my</a> Exploring the crossing behaviours of the primary school children in Malaysia</p> <p><b>Nur Zarifah Harun</b> <a href="mailto:nurzarifah@miros.gov.my">nurzarifah@miros.gov.my</a> The crossing speed of visually impaired pedestrian at the signalized pedestrian crossing</p> <p><b>Noor Faradila Paiman</b> <a href="mailto:noorfaradila@miros.gov.my">noorfaradila@miros.gov.my</a> Proper Installation and Optimal Usage of Child Restraint System (CRS): Post Implementation of CRS Law</p>	<p><b>Dr. Zamira Hasanah Zamzuri</b> <a href="mailto:zamira@ukm.edu.my">zamira@ukm.edu.my</a> Mining opinions of Malaysian drivers on the underreporting issues</p> <p><b>Desheila Andarini</b> <a href="mailto:desheila_andarini@fkm.unsri.ac.id">desheila_andarini@fkm.unsri.ac.id</a> Road Safety Analysis in Traffic Safety And Management Aspect At The Roadway Of Palembang-Indralaya, Ogan Ilir, South Sumatera, Indonesia</p> <p><b>Afiqah Omar</b> <a href="mailto:afiqah@miros.gov.my">afiqah@miros.gov.my</a> Current Standards and Practises on Micromobility Device</p> <p><b>Ali Ahmed Mohammed</b> <a href="mailto:hf160001@siswa.uthm.edu.my">hf160001@siswa.uthm.edu.my</a> Prediction of Traffic Accidents Using An Artificial Neural Network</p>	<p><b>Aini Hazwani Shahrir</b> <a href="mailto:ainihazwani96@gmail.com">ainihazwani96@gmail.com</a> Malaysia's Railway Safety: A Critical Review</p> <p><b>Gs. Nur Fazzillah Mohamed Noordin</b> <a href="mailto:nurfazzillah.miros@gmail.com">nurfazzillah.miros@gmail.com</a> Factors Influencing Public Transport Use: A Study of Klang Valley Commuters' Information System Tools</p> <p><b>Aini Hazwani Shahrir</b> <a href="mailto:ainihazwani96@gmail.com">ainihazwani96@gmail.com</a> How Driving Mobility Trend Affected Average Congestion Level during the First Wave of COVID-19 in Malaysia</p> <p><b>Fawziya Fariha Anan</b> <a href="mailto:fawziyafariha@iut-dhaka.edu">fawziyafariha@iut-dhaka.edu</a> Evaluation of Satisfaction Level of Water Bus Services in Dhaka City from Commuters' Perspective</p>

## T5: 1500 - 1600

	PARALLEL 1	PARALLEL 2	PARALLEL 3
LINK	<a href="https://tinyurl.com/yf424wfa">https://tinyurl.com/yf424wfa</a>	<a href="https://tinyurl.com/3nphb8wb">https://tinyurl.com/3nphb8wb</a>	<a href="https://tinyurl.com/as3hcjn8">https://tinyurl.com/as3hcjn8</a>
THEME	TS1: ROAD SAFETY ENGINEERING	TS2: ROAD USER BEHAVIOUR	TS5: ROAD SAFETY MANAGEMENT
MODERATOR	Ts. Gs. Azzuhana Roslan	Nor Fadilah Mohd Soid	Najwa Shaari
T5: 1500 - 1600	<p><b>Umma Halima</b> <a href="mailto:ummahalima@iut-dhaka.edu">ummahalima@iut-dhaka.edu</a> A Comparative Analysis of Speed Variations among Different Lanes for Different Distances from the Point of Jaywalking Initiation</p> <p><b>Aine Kusumawati</b> <a href="mailto:aine@ftsl.itb.ac.id">aine@ftsl.itb.ac.id</a> Modelling the Relationship between Safety Barrier and Crash Fatality Outcome using Binary Logistic Regression</p> <p><b>Norfaizah Mohamad Khaidir</b> <a href="mailto:norfaizah@miros.gov.my">norfaizah@miros.gov.my</a> An Empirical Study on Traffic Characteristic at Highway Rest and Service Area</p> <p><b>Ts. Sharifah Allyana Syed Mohamed Rahim</b> <a href="mailto:allyana@miros.gov.my">allyana@miros.gov.my</a> The risk of head-on collision on federal road in Johor</p>	<p><b>Ts. Nurulhuda Jamaluddin</b> <a href="mailto:nurulhuda@miros.gov.my">nurulhuda@miros.gov.my</a> Driver Behavior at Signalized Crossing around Primary School</p> <p><b>Ts. Khairul Hafezad Abdullah</b> <a href="mailto:ezadneo88@gmail.com">ezadneo88@gmail.com</a> A Bibliometric Review on Trends and Evolution of Road User Behaviour Research</p> <p><b>Dr. Mohamad Ghazali Masuri</b> <a href="mailto:zalie222@gmail.com">zalie222@gmail.com</a> Driving experience and Attitude towards Safe Driving Scale among Malaysian drivers</p>	<p><b>Mustika Sari</b> <a href="mailto:mustika0017@gmail.com">mustika0017@gmail.com</a> A Safety Behavior in Ramp Area Activity in Indonesia Airport during COVID 19</p> <p><b>Sakif Ahmed</b> <a href="mailto:sakifahmed@iut-dhaka.edu">sakifahmed@iut-dhaka.edu</a> A Study on Comparison of Noise Level At Educational Institutions Adjacent To Highways Connecting With Dhaka City</p> <p><b>Akmalia Shabadin</b> <a href="mailto:akmalia@miros.gov.my">akmalia@miros.gov.my</a> Fatigue Among Heavy Vehicle Drivers on Expressway</p> <p><b>Maslina Musa</b> <a href="mailto:maslina@miros.gov.my">maslina@miros.gov.my</a> Association of fatigue and driving behaviour among lorry drivers</p>
1600 - 1605	<p><b>CLOSING</b> <i>Datuk Suret Singh</i> Chairman of MIROS</p>		