Learning Outcome

The course will provide participants with knowledge and ability of:

- the basic relationships between traffic headway, spacing, speed, flow and density;
- factors that affect capacity of transport systems;
- the principles of Traffic Management systems;
- the principles of traffic signal design for isolated and coordinated installations;
- how traffic data sources can be integrated in an Urban Traffic Management Centre;
- the principles of emission estimation from signal control algorithms.
- interpret basic traffic measurements to calculate speed flow and density;
- estimate LOS for urban expressway/arterial using Malaysian Highway Capacity Manual
- select and design appropriate traffic management systems;
- calculate basic timings for an isolated signal installation using SIDRA software;
- calculate basic timings for actuated signal installation
- design a coordinated signal installation using TRANSYT 14 software

Benefits to Participants

The participants will be able to explain traffic flow theory, compare capacity and performances of junctions, understand approaches to demand management and network management, understand and be able to mitigate issues in connection with safety, and understand and be able to mitigate issues in relation to environmental impacts due to congestion. The participants also will learn and practice detail analysis and design skills using computer software.

Who Should Attend?

JKR road engineers, local authority engineers, consultants, contractors, and other technical personnel interested to learn and update their skills in traffic engineering.

Fees

<table>
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<tr>
<th>Category</th>
<th>Fee</th>
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<tbody>
<tr>
<td>IEM Member</td>
<td>RM1060.00 (with GST)</td>
</tr>
<tr>
<td>Non-IEM Member</td>
<td>RM1166.00 (with GST)</td>
</tr>
</tbody>
</table>

For More Details, Please Contact

Ms. Marissa Edwin 082-222 000 / eymarissa@unimas.my

Speakers

Dr Mohamad Raduan bin Hj Kabit
**IEM Member:** RM477.00 (with GST)

**Non-IEM Member:** RM583.00 (with GST)

**NAMA PENUH / FULL NAME**

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**TARIKH / Date**

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**ORGANISASI / Organization**

______________________________

**ALAMAT / Address**

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**H/P / Mobile**

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**FAKS / Fax**

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**E-MEL / Email**

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<tr>
<th>KATEGORI PESERTA &amp; YURAN / PARTICIPANT CATEGORY &amp; FEES</th>
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<tbody>
<tr>
<td>□ RM 1060 (with GST) – IEM MEMBER</td>
</tr>
<tr>
<td>□ RM 1166 (with GST) – NON-IEM MEMBER</td>
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Fee covers seminar materials, refreshment and lunch during sessions. Registration is not considered unless the payment has been received. Cancellation and refund cannot be accepted after the registration. However substitution of registration is allowed by informing the seminar contact person with the person’s details.

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<tr>
<th>KAEDAH PEMBAYARAN / MODE OF PAYMENT</th>
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<tbody>
<tr>
<td>□ Bank/TelegraphicTransfer</td>
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<td>□ Crossed cheque/bank draft</td>
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Crossed cheque/bank draft/telegraphic transfer should be made payable to:

**UNIMAS Holding Sdn Bhd No.: 21112800001803** (RHB Bank, Unisquare, Kota Samarahan).

Bukti pembayaran melalui email haruslah lengkap dengan info berikut: BAYARAN UNTUK (NAMA SEMINAR), NAMA PESERTA, TARIKH ‘BANK IN’, ORGANISASI, NO. TELEFON & NAMA BANK, bagi memudahkan urusan di UNIMAS HOLDING SDN BHD. Kami mengharapkan para peserta menghantar borang yang telah disempurnakan beserta bukti pembayaran melalui email: eymarissa@unimas.my / faks untuk perhatian: Cik Marissa Edwin (Fax: 082-222107).

Kindly scan and email your payment slip with the following info: PAYMENT For (NAME OF SEMINAR), PARTICIPANT’s NAME, BANK IN DATE, ORGANIZATION, TELEPHONE & BANK NAME to facilitate dealings with the UNIMAS HOLDING SDN BHD. Please return the completed form together with proof of payment through email: eymarissa@unimas.my / fax for attention: Ms. Marissa Edwin (Fax: 082-222107).