



VIRTUAL ONE-DAY SEMINAR ON REINFORCEMENT LEARNING: FUNDAMENTALS, ALGORITHMS, AND APPLICATIONS

Date : 26 November 2022

(Rescheduled from 19 November 2022)

Time: 9.00 AM – 5.00 PM

Speaker : Prof. Dr Yau Kok Lim

**BEM Approved CPD/PDP
7 Hours (IEM22/HQ/404/S(w))**

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
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Organized by:

Highway and Transportation Engineering Technical Division (HTETD), IEM

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

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I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

**“IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion”.
For intending participants who choose to ‘walk in without prior registration’,
IEM SHALL NOT be responsible for any direct or consequential losses**

SPEAKERS



Prof. Dr Yau Kok Lim received the B.Eng. degree (Hons.) in electrical and electronics engineering from Universiti Teknologi PETRONAS, Malaysia, in 2005, the M.Sc. degree in electrical engineering from the National University of Singapore, in 2007, and the Ph.D. degree in network engineering from the Victoria University of Wellington, New Zealand, in 2010. His research area is applied artificial intelligence, and has offered consultancies to companies in microelectronics and intelligent transportation systems. He was a recipient of the 2007 Professional Engineer Board of Singapore Gold Medal for being the best graduate of the M.Sc. degree. He serves as the Lead Organising Chair for AICS'22, Vice General Co-Chair for ICOIN'18, the Co-Chair for IET ICFCNA'14, and the Co-Chair (Organizing Committee) for IET ICWCA'12. He serves as an Editor for the KSII Transactions on Internet and Information Systems, and an Associate Editor for IEEE Access. He is also the Vice-Chair of IEEE SIG on Big Data with Computational Intelligence.

SYNOPSIS

Reinforcement learning (RL) is an artificial intelligence approach that enables agents (or decision makers) to learn and take optimal actions in a dynamic and unpredictable operating environment. Compared to other artificial intelligence approaches, including supervised and unsupervised learning, RL has a distinguishing aspect in which it learns through interaction with the environment. Based on the rewards (or penalties) received from the environment, a decision maker evaluates the appropriateness of its selected action under a particular environment. RL has drawn wide interest in exploring and exploiting its application in solving a diverse range of problems and enhancing next-generation technologies. This talk covers the fundamentals, algorithms, and applications of RL. Ultimately, it guides participants in exploring the use of RL to solve problems and issues at hand.

TENTATIVE PROGRAMME

Time	Programme
09:00 am – 09:05 am	Welcoming remark by IEM representative.
09:05 am – 10:50 am	Reinforcement Learning Fundamentals
10:50 am – 11:00 am	Break
11:00 am – 1:00 pm	Reinforcement Learning Algorithms
1:00 pm – 2:00 pm	Lunch Break
2:00 pm – 3:00 pm	Reinforcement Learning Simulation
3:00 pm – 3:10 pm	Break
3:10 pm – 4:30 pm	Reinforcement Learning Applications
4:30 pm – 5:00	Q&A Session
5:00 pm	Session End

*** IEM reserves the right to postpone, reschedule, allocate or cancel the seminar**

REGISTRATION FORM

VIRTUAL ONE-DAY SEMINAR ON REINFORCEMENT LEARNING: FUNDAMENTALS, ALGORITHMS, AND APPLICATIONS
19 NOVEMBER 2022

	ONLINE <small>(Log-in for registration & payment: www.myiem.org.my/member/login.aspx)</small>	NORMAL FEE <small>(by fax & email) Payment by cash, credit card and bank-in</small>
IEM Student Member	75.00	90.00
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IEM Corporate Member	200.00	225.00
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No	Name(s)	Membership No.	Grade	Fee (RM)
SUB TOTAL				
+ 6% SST				
TOTAL PAYABLE				

PAYMENT DETAILS :

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE the closing date**. If payment is not received within the stipulated time, the registration the registration automatically cancels..

Contact Person : _____ Designation : _____

Name of Organization : _____

Address : _____

Telephone No. : _____ (O) Fax No : _____ (O)

Handphone : _____ (HP) Email: _____

Signature & Stamp

Date

TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment

FOR FURTHER DETAILS, KINDLY CONTACT:

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