

Modeling and Simulation for Manufacturing Plant Automation



About us

Who we are

The Centre for Continuing and Professional Education (CPE) was established in 1999 to provide continuing professional education and lifelong learning opportunities for University's staff, students, alumni and the public. As part of TAR UMT's commitment to continuing education and lifelong learning, CPE is entrusted with designing, developing and delivering various activities, workshops and programmes to meet the diverse learning needs of multiple parties.

About This Training

Industrial Revolution 4.0 will have a significant impact on the future of Malaysia. Knowledge and skills of the core technologies of Industrial Revolution 4.0 are essential to fulfil the requirements of the workforce of industrial revolution 4.0. One of the core technologies of Industrial Revolution 4.0 is Simulation. Simulation involves experimenting with a model of an operations system on a computer as it progresses through time for better understanding and/or improving the system. Simulation allows a company to analyze and experiment with its processes in a virtual environment. The simulation model can be used to evaluate inventory, assembly, transportation and production to explore solutions for improvement at minimum cost.



Date and Time

7 - 8 June 2023
 Wednesday to Thursday
 9 AM to 5 PM



Training Venue

TAR UMT
 Jalan Genting Kelang, Setapak
 53300 Kuala Lumpur



Trainer

Dr. Zahari Taha

COURSE CONTENTS

WHAT IS SIMULATION	SIMULATION STUDIES	FLEXSIM CONCEPTS AND TERMINOLOGY
MCDONALDS SIMULATION	KEY STAGES AND PROCESSES	BASIC STEPS OF MODELING IN FLEXSIM
WHY SIMULATE	CONCEPTUAL MODELING	THE FLEXSIM OBJECT LIBRARY
THE MANAGEMENT PERSPECTIVE	MODEL SCOPE	FLEXSIM FAMILY TREE
BEHIND THE SIMULATION	MODEL LEVEL OF DETAIL	FLEXSIM STANDARD OBJECTS
TIME SLICING APPROACH	MODEL SIMPLIFICATION	FLEXSIM RESOURCE SUPERCLASS
DISCRETE EVENT SIMULATION	DATA COLLECTION AND ANALYSIS	TASKEXECUTER SUPERCLASS
THREE PHASE SIMULATION	DATA REQUIREMENTS	DISPATCHER SUPERCLASS
RANDOM NUMBERS	DATA ACCURACY	RECORDER
MODELING VARIABILITY IN TIMES	REPRESENTING UNPREDICTABLE VARIABILITY	VISUALTOOL
GENERATING OBSERVATIONS	FITTING STATISTICAL DISTRIBUTION TO EMPIRICAL DATA	CASE STUDY - BUILD A MODEL IN FOUR PHASES
SIMULATION SOFTWARE		

Introduce our Trainer

Dr. Zahari Taha

Dr Zahari Taha is a Chartered Engineer (UK), a Member Institution of Engineering Designers (UK), a Fellow of Academy Sciences Malaysia and a Fellow and Board Member of Asia Pacific Industrial Engineering and Management Society. He was formerly a Professor at the Faculty of Engineering, Universiti Malaya and Faculty of Manufacturing Engineering, Universiti Malaysia Pahang. He has more than 30 years of experience in education, research and development in machine learning, automation and robotics, and simulation and modelling. Dr Zahari has published over 300 papers and graduated over 70 PhDs and Masters students. He has developed numerous software and hardware solutions for industry and universities.



Click/Scan for enquiry



Contact Us



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+601110758530 (whatsapp)

training@tarc.edu.my
<https://www.tarc.edu.my/cpe/>

Modeling and Simulation for Manufacturing Plant Automation

Venue: TAR UMT, Jalan Genting Kelang, Setapak, 53300 Kuala Lumpur

Date: 7 - 8 June 2023 (9.00 am - 5.00 pm)

REGISTRATION FORM



CENTRE FOR CONTINUING & PROFESSIONAL EDUCATION

Fees: Public RM 795.00 per participant (inclusive of 6% Service Tax) TAR UMT Student/Alumni RM 636.00 per participant (inclusive of 6% Service Tax)

The Manager
TARC Education Foundation (1033820M)
Tunku Abdul Rahman University of Management and Technology (TAR UMT)
TEL: 03-4145 0170

Email: training@tarc.edu.my

Dear Madam / Sir,

Please register the following participant(s) for the above programme: (To be completed in BLOCK LETTERS)

1 Name :	IC No. :	Nationality :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email:	Mobile No. :	Designation :
<input type="text"/>	<input type="text"/>	<input type="text"/>
2 Name :	IC No. :	Nationality :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email:	Mobile No. :	Designation :
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(If space is insufficient, please attach a separate list)

Disclaimer

Registration is on a first-come-first-served basis. All cancellations must be made in writing. Cancellation made 14 days or more in advance of the workshop date will receive full refund. Cancellations made thereafter will be subjected to a cancellation fee of 50% of the workshop fee. All fees are payable in the event of non-attendance of any registered participant(s) or the overall attendance falls below 75% of total workshop hours. Replacement(s) can be accepted at no additional cost if notified 24 hours prior to the commencement of the workshop. The Tunku Abdul Rahman University of Management and Technology reserves the right to change the speaker, reschedule or cancel the workshop and all efforts will be taken to inform participants of the changes.

We hereby confirmed that (please tick accordingly):

We will be claiming under **HRD Corp Claimable Course** and full payment would be made to Tunku Abdul Rahman University of Management and Technology in the event that no disbursement from HRD Corp under any circumstances.

We will **NOT BE CLAIMING** from HRD Corp. Payment will be made to account payee TAR UMT by cheque or bank transfer to Public Bank Account No. 3 1 8 1 5 6 4 1 1 3. Kindly submit your payment remittance to training@tarc.edu.my together with this registration form.

Submitted by

Name :	Designation :	Department:
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email :	Telephone No. :	Mobile No. :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Company Name:	Company Registration No. :	
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Company Address :	Company Stamp & Signature :	Date :
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