

# IEEE SMC Malaysia Chapter Distinguished Lecturer Program Report - University of Malaya

Dr. Erfan Salami

IEEE SMC Malaysia Chapter Distinguished Lecturer Program entitled “Transitioning from Industry 4.0 to Industry 5.0: A Human-Centric Approach” has been successfully organized by Centre for Research in Industry 4.0 (CRI4.0), Faculty of Engineering, University of Malaya on 27<sup>th</sup> June 2023 at The Cube 2, Block Y, Faculty of Engineering, University of Malaya.

The program was delivered by Distinguished Professor Dr. Saeid Nahavandi, who is currently Swinburne University of Technology’s inaugural Associate Deputy Vice-Chancellor Research and Chief of Defence Innovation. He previously served as Pro Vice-Chancellor (Defence Technologies) and Founding Director of the Institute for Intelligent Systems Research and Innovation, Deakin University. He is an elected Fellow of major national and international professional bodies, viz., Australian Academy of Technology and Engineering, Engineers Australia, Institute of Electrical and Electronics Engineering, USA, as well as Institution of Engineering and Technology, UK. He has received multiple prestigious awards over the years, and the recent ones include 2022 Clunies Ross Award for Entrepreneur of the Year (by the ATSE), 2022 Finalist of Innovative Use of Technology Award (the Australian Museum Eureka Prizes); 2021 Professional Engineer of the Year (by Engineers Australia); 2021 Defence Innovator of the Year (the Australians Defence Industry Awards), as well as 2021 Space Researcher of the Year (the Australians Space Awards). Professor Nahavandi is also the Vice President: Human-Machine Systems, IEEE SMCS, Co-Editor-in-Chief: IEEE Systems Journal, Associate Editor of IEEE Transactions on Cybernetics and IEEE Press Editorial Board member.

A total of 32 participants had registered and attended the program. The participants of the program were from various organisations and backgrounds as shown in Figure 1 and Figure 2 below:

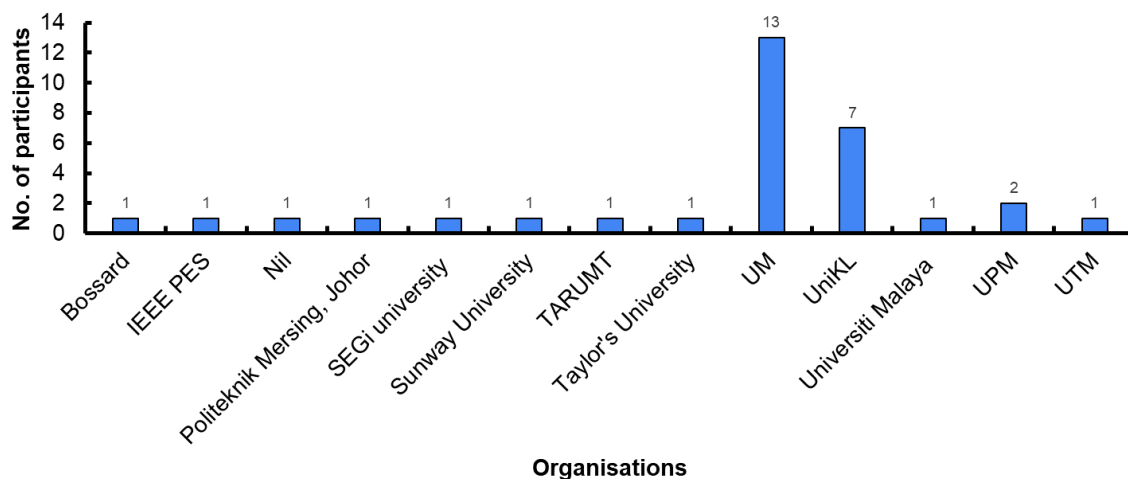


Figure 1: Number of participants by organisations

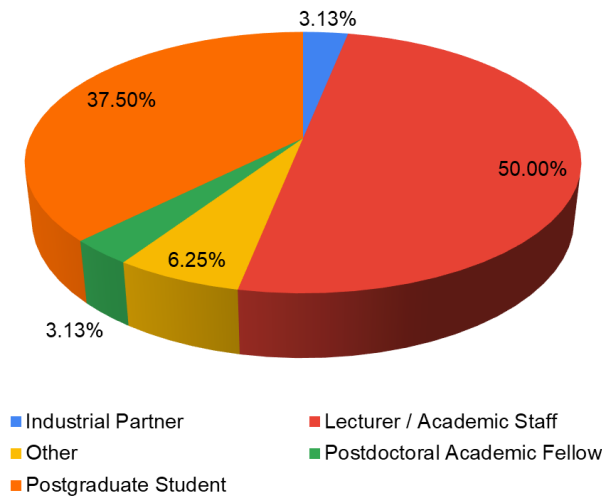


Figure 2: Participants backgrounds

Distinguished Professor Dr. Saeid Nahavandi has shared his knowledge and experience in Industry 4.0 field especially in manufacturing, aerospace, and defence industries. He also shared his ideas and involvement in emerging technology such as digital twin, universal motion simulator (UMS) and haptics device technology. The speaker also shared his views and knowledge in Industry 5.0 especially the transitions, challenges, and skills gap.

In general, the program has achieved its objectives to broadening the educational experience of the participants, to bring the scholar of the highest calibre from the world of academia to share their knowledge and experience with the participants and to inspire the participants with new avenues of thinking, creating steps for new ideas and benchmarking research in IR4.0 and IR5.0.

All participants have expressed their positive feedbacks about the program. According to them, the program was beneficial in opening their minds and perspectives about IR4.0 and IR5.0 technologies. The participants also glad that this program has become an engagement platform between their organisations and related scholars in Industry 4.0 area of interest.





**IEEE SMC**  
Systems, Man, and Cybernetics Society  
Malaysia Chapter

Host:



**UNIVERSITI MALAYA**



**CRI 4.0**

# IEEE SMC CHAPTER DISTINGUISHED LECTURER PROGRAM

## TRANSITIONING FROM INDUSTRY 4.0 TO INDUSTRY 5.0: A HUMAN-CENTRIC APPROACH

**SPEAKER**



**Distinguished Prof. Dr. Nahavandi Saeid**  
Associate Deputy Vice-Chancellor Research  
and Chief of Defence Innovation,  
Swinburne University of Technology

 **Date**  
27th June 2023 (Tuesday)

 **Time**  
10.00am - 12.00pm

 **Venue**  
THE CUBE 2, BLOCK Y,  
FACULTY OF ENGINEERING,  
UNIVERSITY OF MALAYA (UM)

**REGISTER NOW** *Limited seats!*



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yourself right now

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**CENTRE FOR RESEARCH IN 4.0 (CRI4.0)**  
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UNIVERSITY OF MALAYA

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Figure 3: DLP program poster



**Fig 4:** Group picture



**Fig 5:** Token of appreciation