

# GUEST LECTURE



Associate Professor Jun Jo from Griffith University will give a lecture on "ICT Education for the 4th Industrial Revolution" on **27 June 2019** at 2.00 pm at IALF Denpasar.

Graduates of Australian tertiary institutions from Indonesia, who are interested in attending this event, please RSVP by **26 June 2019** to this [link](#).

\* Due to the limited availability of seats, early registration is recommended.

## Overview

The world is now facing a rapid technological shift in the Information and Communication Technology space also known as the '4th industrial revolution' (4IR). The 4IR is characterised by how disruptive technologies like artificial intelligence (AI), unmanned aerial vehicles (UAVs) and internet of things (IoTs) are merging with the physical lives of humans. The key to the 4IR lies in the advances in communication and connectivity that allows technologies to be embedded within societies and even in the human body.

Students these days no longer have to go to the library to obtain information. They can access the Internet and search for information anytime at any place through web browsers or Simple Notification Service using their smartphones. Mostly, they are accessing information online or the Github community than programs offered by educational institutions. Many talented students want to develop innovative products quickly without spending too much time for learning programming.

There are many advanced software tools available for free such as AI libraries, application program interfaces (APIs) and frameworks. Students can also access many public databases, such as satellite image database, and develop a bushfire detection or surveillance system easily. They can make facial recognition, detection and tracking programs with only a few lines of codes utilising the public library functions, which are developed by Google or Microsoft. Programming languages are getting more comprehensive and intuitive for easy use. Sooner or later, people will be able to make applications by just speaking without needing any programming skills.

One of the critical questions is whether the current educational institutions are ready to provide such relevant knowledge and skills to transition into the 4IR era smoothly? In this talk, we will review the current information and communication technology programs considering the exponential technological changes and discuss how to prepare for the upcoming 4IR age.

**Thursday 27 June 2019**

2.00 pm-4.00 pm

IALF Auditorium  
JI Raya Sesetan 190, Denpasar 80223



Associate Professor Jun Jo

Associate Professor Jun Jo was awarded his PhD degree from the University of Sydney in 1994. For the PhD research, he studied Artificial Intelligence and Knowledge Representation techniques, and created an autonomous design system called EDGE. Dr Jo worked as a Postdoctoral Research Fellow at the Key Centre of Design Computing in the University of Sydney until he joined Griffith University in 1996. He has conducted many research projects in various areas including Computer Vision, Robotics, UAVs, Sensor Networks, Drones, eHealth and eLearning. He has published over 150 refereed publications.

Dr Jo has organised the International Robot Olympiad event twice in Australia, in 2006 and 2010. Dr Jo is currently taking the positions of the Chair of International Robot Olympiad Committee (IROC) and the President of Australian Robotics Association (ARA).

Dr Jo is also the Program Director for both Bachelor of Multimedia (BMM) and the Bachelor of Information Technology (BIT) double degree programs at Griffith University, Australia.



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