

**ASEM Network for MOOCs Initiative**

# **ASEM MOOC'S STAKEHOLDER FORUM 2019**

7th November 2019

Zenith Hotel Putrajaya, Malaysia



# Welcoming Address

## 2019 ASEM MOOC Stakeholders' Forum

The MOOC initiative begins on the year of 2015 from the launching of Malaysian Education Blueprint (MEB) for Higher Education by the Ministry of Higher Education. MOOC is clearly stated under the 9<sup>th</sup> Shift of Global Online Learning. The agenda has been connected to Universiti Malaysia Pahang (UMP) Strategic Plan 2016-2020 under the 1<sup>st</sup> Shift - Excellent Academic and 5<sup>th</sup> Shift – Excellent Branding.

As part of the Malaysia Technical University Network (MTUN) which carries the Technical and Vocational Education Training (TVET) agenda, UMP adopts the current technology and trend in academia excellence to provide opportunities to the staff and students to gain training, practical knowledge and experience from the various stakeholders in Asia-Europe Meeting Massive Open Online Course (ASEM MOOC).

UMP plans to provide more niche MOOCs in the area of TVET (technical, vocational education and training). The focus is for Hands-On MOOC which is a combination of knowledge and practical skills, as it is the main features of TVET initiative in these few years. The hands-on MOOC is the integration of knowledge in a particular course such as IoT application development, big data analysis, system integration for manufacturing, Arduino application and any other hands-on series of contents. The MOOCs course can be shared among all TVET education providers in Malaysia, elsewhere as internationally special among ASEM network KMOOC, JMOOC, ThaiMOOC, Philippines MOOC and other countries.

The ASEM MOOC Stakeholders' Forum - hosted by the University Malaysia Pahang (UMP) and supported by Department of Higher Education, Ministry of Education (MOE), and Malaysia is one of the ASEM Network of MOOCs Initiative, which aims to offer the opportunities for dialogue regarding the development and implementation of MOOCs.

The main goal of this forum is to share best practices on the operation and utilization of MOOCs and to discuss the operational directions of the Initiative. The forum will feature experts from participating partner countries and institutions of ASEM Network of MOOCs Initiative. In 2018, this event has been organized at Seoul, South Korea.

This initiative contributes to flexible education that has been strategically planned and well-coordinated by the Higher Education Department, MOE with all higher education institutions. The hands-on MOOC will give the opportunities to all potential learners to learn from various MOOC provider and go back to their institution to apply for Credit Transfer MOOC (CTM) for the study either in diploma or bachelor degree program or any related level of certification.

***“MOOC will bring a breath fresh air  
to the student’s knowledge in  
flexible learning”***



**PROFESSOR IR DR. WAN AZHAR BIN WAN YUSOFF**  
**Vice Chancellor**  
**Universiti Malaysia Pahang**

# Welcoming Address

## 2019 ASEM MOOC Stakeholders' Forum

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***“MOOCs, a way forward for diversity  
of learning in flexible education  
paradigm”***



**TS. Dr. Adzhar Bin Kamaludin**

**Director**

**Centre of Instructional Resources & e-learning (CIReL)**

**Universiti Malaysia Pahang**

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Nantana Gajasen, Associate Professor, Vice President, Mae Fah Luang University



# PROGRAMME

- 08:15 am Registration of participants
- 09:00 am Welcoming speech by Prof. Ir. Dr. Wan Azhar Wan Yusoff,  
Vice Chancellor - Universiti Malaysia Pahang (UMP)
- Opening speech of ASEM MOOC STAKEHOLDER FORUM 2019 by  
Y. Bhg. Datuk Ir. Dr. Siti Hamisah Binti Tapsir,  
**Director General, Department of Higher Education,  
Ministry of Education, Malaysia**
- 10:10 am Morning Tea Break & Networking Session
- 10:40 am Slot 1 : KMOOC  
Professor Dr. Eunsil HONG & Dr. Wonsook HYUN  
Sungkyunkwan University
- 11:10 am Slot 2 : ThaiMOOC  
Associate Professor Dr. Jintavee Khlaisang (Ed.D)  
Chulalongkorn University
- 11:40 am Slot 3 : MalaysiaMOOC  
Associate Professor Dr Wan Zuhainis Saad  
Director, Division of Academic Excellence, Higher Education  
Department, Ministry of Education, Malaysia
- 12:10 pm Forum Session #1
- 13:00 pm Lunch
- 14:15 pm Slot 4 : MalaysiaMOOC  
Dr. Gan Leong Ming, Universiti Malaysia Pahang (UMP)
- 14:45 pm Slot 5 : JMOOC  
Professor Yasushi Kodama, Hosei University, Japan  
Director of JMOOC
- 15:15 pm Slot 6 : PhilippineMOOC  
Assoc. Prof. Dr. Ria Mae H. Borromeo,  
University of the Philippines Open University (UPOU)
- 15:45 pm Slot 7 : ThaiMOOC  
Assoc. Prof. Nantana Gajaseni, Mae Fah Luang University
- 16:15 pm Forum Session #2
- 17:00 pm Closing & Refreshment

# Speakers

## 2019 ASEM MOOC Stakeholders' Forum



**Won Sook Hyun**

Professor,  
Sungkyunkwan University,  
University college



**Yasushi Kodama**

Professor,  
Director of JMOOC  
Hosei University, Japan



**Jintavee Khlaisang**

Associate Professor,  
Deputy Director,  
Thailand Cyber University



**Ria Mae H. Borromeo**

Associate Professor,  
University of the Philippines  
Open University (UPOU)



**Wan Zuhainis Saad**

Director,  
Academic Excellence  
Department, Ministry of  
Education, Malaysia



**Nantana Gajaseni**

Vice President,  
Mae Fah Luang University



**Gan Leong Ming**

Senior Lecturer,  
Universiti Malaysia Pahang



# ASEM Network of MOOCs Initiative

# ASEM MOOC Stakeholders'

# Forum 2019



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OF EDUCATION  
MALAYSIA

MEIPTA



Universiti  
Malaysia  
PAHANG  
Engineering • Technology • Creativity





## Professor Won Sook Hyun

Professor,  
Sungkyunkwan University, University college  
Email : kazws@skku.edu / hyunwonsook@hanmail.net



### MOOC's Representative Information

<b>Country</b>	South Korea
<b>Presentation Title</b>	Case Study on K-MOOC Korean Language Course: Experience and Implications

### Background

Professor Won Sook Hyun has completed her doctorate in Linguistic Education after Master's degree in Korean Language Education and Bachelor degree in English Language. Prof. Hyun started her career in teaching Korean Language to foreign students in 1991 and has taught in various oversea universities including National University of Almaty in Kazakhstan as a dean of the Department of Korean Language, KEMEP University in Kazakhstan as a Korean Language program coordinator, Srinakharinwirot University in Thailand as a visiting professor in Korean Language. As her part of research, she participated in the development of contents and curriculum for "Korean Language Teacher" course for lifelong education in Academic Credit Bank System and for Test of Proficiency in Korean (TOPIK). Recently Prof. Hyun has participated in the development of textbook for academic Korean language and Korean language course for K-MOOC.

### Synopsis of the Presentation

This study aims to share the experiences of developing "Bridge to the World, Korean Language for Beginners 1 and 2" in K-MOOC launched in the second half of 2016 with ASEM MOOC Stakeholder and related international institutions. First, we will outline the teaching design principles of the Korean beginner's course at K-MOOC, and then look at how each module was implemented according to the development principle, and what the actual operation status and achievements are. Finally, with the results obtained, we would discuss and suggest implications to create quality programs and how to promote the course in MOOC.

## Associate Professor Dr. Jintavee Khlaisang

Deputy Director, Thailand Cyber University Project  
Ministry of Higher Education, Science, Research and Innovation  
Email : jintavee.m@chula.ac.th



### MOOC's Representative Information

<b>Country</b>	Thailand
<b>Presentation Title</b>	Towards National Alternative Credentials and International Cooperation: Case of Thai MOOC

### Background

Jintavee Khlaisang is the deputy director of Thailand Cyber University Project, Ministry of Higher Education, Science, Research and Innovation. Jintavee is also the Associate Professor at the Department of Educational Technology and Communications, and the member of Educational Invention and Innovation research unit, Faculty of Education, Chulalongkorn University, Bangkok, Thailand. Her most recent publication is entitled "Ubiquitous Technology Enhanced Learning: The Outcome-based Learning Design for 21st Century Learners (2018)". Her latest research project is the Development of Gamified Self-Regulated Learning System in Ubiquitous Learning Environment to enhance Achievement Motivation for Thai MOOC (2019). She has received 7 awards from International Exhibition of Inventions (Gold, Silver, and Bronze) and 16 SCOPUS and ISI publications. Her latest research publication entitled "Acceptance of a flipped smart application for learning: A study among Thai university students. Interactive Learning Environments (Scopus Q1)". Her research interests include Ubiquitous Learning, Flipped learning, Blended Learning, Virtual Learning Environment, and MOOCs.

## Synopsis of the Presentation

Thai MOOC, a National Digital Learning Platform, is considered a provider for open online education to support a national strategy of lifelong learning. Thai MOOC was found in 2017. As of October 2019, more than 400 courses are available with 228,000 registered students. The course with highest students attending is 8,986 students/batch. In terms of the national cooperation, more than 95 institutes including universities throughout the countries and government sectors have joined in this project -- mainly to develop online courses in accordance to their expertise, and then to further design the certificate/degree programs, a credit transfer, and a credit bank system. Conceptual model of Thai MOOC is primarily focused in 5 areas: (1) Social media notification & communication tools, (2) Thai MOOC mobile application, (3) Continuing Professional Development: CPD, (4) Open Portfolio, and (5) Grade Book Viewer.

Today's presentation will be focused on our progression towards the Continuing Professional Development (CPD). The concept of "Stackable MOOC courses toward degree programs" will be presented. With the cooperation of our partner institutes providing courses in Thai MOOC, our focus is to enhance learners' opportunity to continue their education pathway from a basic level education (non-formal education) to a diploma and a university degree.

In terms of the international cooperation, there are MOUs signed with JMOOC and KMOOC which is considered the official cooperation. Meanwhile, there are also several unofficial international cooperation forthcoming including the exchange of courses and research projects, which is in line with our development plan to develop a system to connect MOOC providers both domestic and international with international standards.

## Associate Professor. Dr. Wan Zuhainis Saad

Director, Academic Excellence Division,  
Department Of Higher Education, Ministry Of Education.  
Email : wanzuhainis@moe.gov.my



### MOOC's Representative Information

<b>Country</b>	Malaysia
<b>Presentation Title</b>	Imagineering Flexible Learning through Malaysia MOOCs

### Background

An associate professor in Microbiology. An Educational Technology enthusiast. Practices E-learning and active learning approach in enhancing students' engagement for effective and meaningful learning. A strong advocate of empowering learners in experiential learning. Winner of the Reimagining and Redesigning Higher Education (Virtual Immersive Learning Experience Category) 2017. Winner of the National Academic Award (Teaching Award – Pure Science Cluster) 2018. Currently is the Director for Academic Excellence Division, Department of Higher Education, Ministry of Education, Malaysia.

### Synopsis of the Presentation

Technology is changing our world rapidly- breaking down barriers and unleashing opportunities. Massive Open Online Courses (MOOCs) and new educational technologies, have changed the teaching and learning landscape and ecosystem. Public and private institutions have been developing Malaysia MOOCs since 2014 in different domains. MOOCs can be transferred for credits with the guideline published by Malaysian Qualifications Agency on Credit Transfer MOOCs Guideline. The Malaysian Public Universities E-Learning Council also has published the Quality MOOCs Best Practices to be shared amongst higher learning institutions. Students' engagement for effective and meaningful learning can be enhanced through MOOCs. This is the foundation required for students to be able to engage in higher order thinking skills and eventually self-directed learning. Malaysia MOOCs are also designed and developed for capacity building, technology transfer and lifelong learning initiatives.



## Dr. Gan Leong Ming

Senior Lecturer, Faculty of Mechanical &  
Automotive Engineering Technology, Universiti Malaysia Pahang  
Email : ming@ump.edu.my



### MOOC's Representative Information

<b>Country</b>	Malaysia
<b>Presentation Title</b>	Malaysia MOOC Credential : Case Study on Earning Digital Badge with Learning Record

### Background

Gan Leong Ming, is the Senior Lecturer, from Faculty of Mechanical and Automotive Engineering Technology, Universiti Malaysia Pahang. He graduated from Mechanical (Automotive) Engineering and is an experienced Senior Lecturer in thermodynamics, vehicle dynamics, automotive technology and energy efficient vehicle. After certified as e-learning master trainer, he is assigned as e-learning champion in UMP and then become e-learning coordinator for Faculty of Mechanical & Automotive Engineering Technology, UMP. Since then, he is actively engaged with e-learning training, such as e-learning tools utilization, online course instructional design, creative common, OCW, MOOC, micro credential course development and global classroom learning.

## Synopsis of the Presentation

Since 2015, Ministry of Education (Malaysia) launched new Malaysia Education Blueprint. In align with shift 9: Globalized Online Learning, Universiti Malaysia Pahang started to develop and offer UMP MOOC to support national strategy in lifelong learning and embrace TVET education.

As we aware, student engagement and completion become key challenges to cultivate MOOC learning experience among learners. Up to date, UMP has 24 active MOOC offered in variety of field, which covering engineering, technology, sciences, management and lifelong learning. Since year 2017, UMP MOOC started to offer research methodology MOOC for postgraduate students as a flexible education initiative and Automotive Technology MOOC with collaboration with local Automotive Assembling Industry (Education Division) to embed MOOC in TVET training.

Both MOOC has different learner target group, where research methodology is target to master/phd student, while Automotive Technology is target to hands on skill student. However, both MOOCs are develop using same learning design matrix (based on Malaysia MOOC design and development practices), where students need to enroll to the dedicated MOOC and must achieve 100% learning progress, learning engagement and assessment to earn digital badge that contain credential profile, learning record, and proof of assessment. Instead of offering digital certificate, learner portfolio with digital badge credential verification show more value in providing learning record and artefact.

After year of implementation, micro credential MOOC learning design showed high learner engagement and completion rate. The application of digital badge in these MOOC also support learner to accumulate learning evidence as e-portfolio for skill profiling, and credit transfer application.

## Associate Professor Yasushi Kodama

Director of JMOOC  
Professor of Hosei University  
Email : yass@hosei.ac.jp



### MOOC's Representative Information

<b>Country</b>	Japan
<b>Presentation Title</b>	Current Situation of JMOOC and Introducing our OER Research approaches.

### Background

He is a director of JMOOC and a professor of Hosei University in Japan. He worked as research assistant at Tokyo Science University and as assistant professor at Nanzan University in Japan. His major is originally computer science, developing operating systems and program languages. Since 2005, he is interested in educational technology developing Japanese Sakai which is one of famous LMS. He was a visiting scholar of University of California, Berkeley from 2012 through 2014. He won an award of Google MOOC Focused Research Award in 2015.

(<https://ai.googleblog.com/2015/03/announcing-google-mooc-focused-research.html>).

### Synopsis of the Presentation

We present the current situation and research topics of JMOOC. JMOOC is a non-governmental organization that has more than 1 million enrollments, provides platforms with four large organizations. The role of JMOOC is to supervise and coordinate each platform. There are platforms that provide contents for universities, and platforms that provide contents for companies. We have organized four research-oriented working groups using new technologies. They are researching on OpenBatch for course credit, learning analytics, international collaboration, and K-12. In this presentation we present the research overview of the OER Center at Hokkaido University, which is one of the OER research institutions. This research center mainly develops OER for faculty and shares OER for campus education, and researches learning analytics.

# PHILIPPINESMOOC

## Associate Professor Ria Mae Borromeo

Director of the Information and Communication Technology Development Office, University of the Philippine Open University (UPOU)  
Email : riamae.borromeo@upou.edu.ph



### MOOC's Representative Information

<b>Country</b>	Philippines
<b>Presentation Title</b>	The UPOU MOOCs Journey

### Background

Ria Mae Borromeo is a full-time faculty at the University of the Philippines Open University (UPOU) where she teaches Computer Science and Information Systems courses. She earned a PhD Degree in Engineering from Keio University in 2017 under the Japanese Government Scholar and a Masters degree in Engineering from the same university in 2011 under the Asian Development Bank-Japan Scholarship Program. She also worked as a software engineer in NEC Telecom Software Philippines right after obtaining a Bachelor's degree from the University of the Philippines Los Baños where she graduated in 2006. Her research interests include crowdsourcing, data engineering, and educational technologies.

### Synopsis of the Presentation

The talk is about UPOU's MOOCs journey: from the very first MOOC course and platform, the development of the current MOOC platform, the courses that we have offered, and the current status. We will also share the challenges encountered, lessons learned, and future plans.



## Assoc. Prof. Nantana Gajaseni

Vice President, Mae Fah Luang University  
Acting Chairperson of AUN-QA  
Email : nantana.gaj@mfu.ac.th



### MOOC's Representative Information

<b>Country</b>	Thailand
<b>Presentation Title</b>	From "MOOC" to "Digital Learning" at MFU

### Background

Associate Professor Dr. Nantana Gajaseni now is the Vice President responsible for Global Relations and also the Acting Dean of School of Sinology, Mae Fah Luang University. She is an ecologist who received her PhD in Environmental Economics from University of Edinburgh, United Kingdom in 2000.

In academic career, she was Associate Professor at Biology Department, Faculty of Science, Chulalongkorn University and worked in the field of natural resource management with various national and international partners. Later Dr. Nantana's career path has been shifting to more administrative works in the area of international cooperation and networking in different positions namely the ASEAN Director of ASEAN-EU University Network Program (AUNP), the Deputy Executive Director of ASEAN University Network (AUN) and later the Executive Director of AUN with the masterpiece in Quality Assurance Development in ASEAN (AUN-QA).

With the new challenges as an executive staff at Mae Fah Luang University, she has committed to additional position to serve the School of Sinology in promoting quality education and enhancing international cooperation with different partners.

## Synopsis of the Presentation

As the first MOOC project ever developed and later operated at Mae Fah Luang University (MFU), delivering the course 'Special Interest Tourism' has led to a lesson learned that are truly useful for shaping future education. In fact, with 1,572 users registered to this course, personalized learning provided on the digital platform can help promote to learners' engagement and satisfaction, also their learning outcomes at the end. With systematically designed content, delivery and assessment methods, a user can make the best use of this tool to study a subject of interest, at his or her own pace, yet without place and time constraints. Based on the MOOC framework, feedbacks from those users are well received and taken onboard.

Given the goal of transforming to a digital university, MFU focuses on three different areas of learning, management and living. As such, the previous MOOC development has become one of initiatives for digital learning. Note that the creation of subject content, delivery techniques to maximize users' attention and retention will originate from research and empirical studies. This innovative approach to build learning ecosystem may help the framework adapting to dissimilarity in domain knowledge and nature of learners that can change over time, thus raising sustainability. Therefore, outputs from the digital learning scheme can also be shared not only within the campus but also support community and life-long learning in Thailand and beyond.

# ASEM Network of MOOCs Initiative

## ASEM MOOC Stakeholders' Forum 2019



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# UMP-MOOC

Universiti Malaysia Pahang Massive Open Online Course



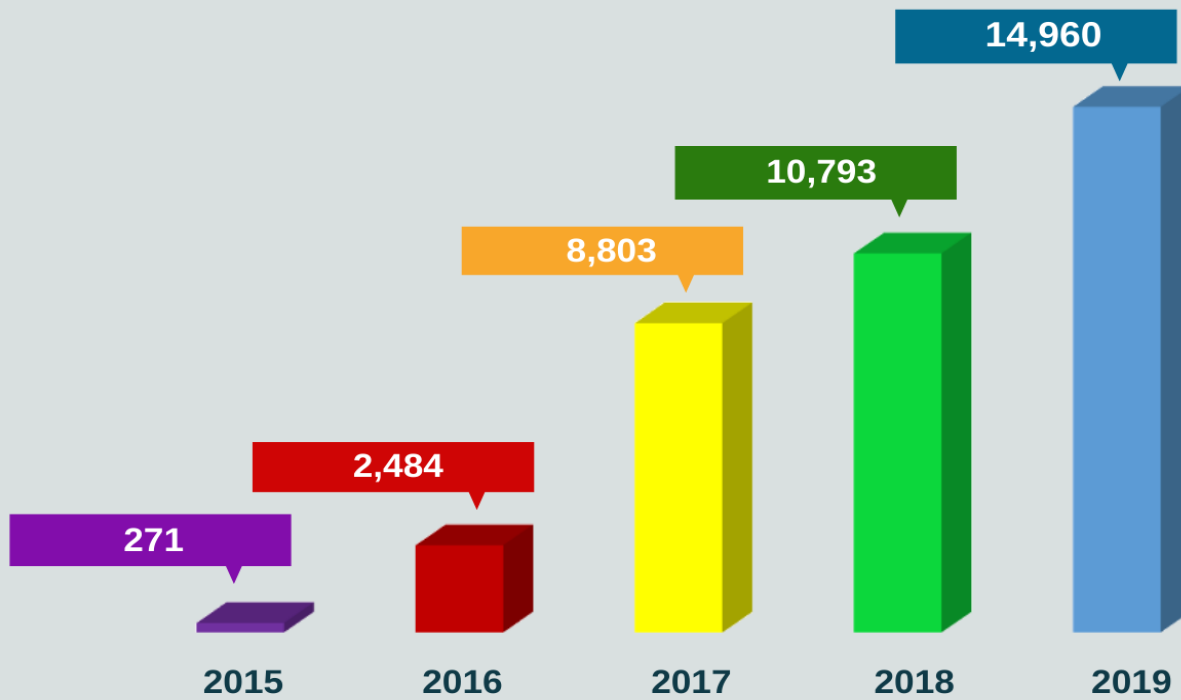
[cirel.ump.edu.my](http://cirel.ump.edu.my)



"Connecting you to the future of learning"

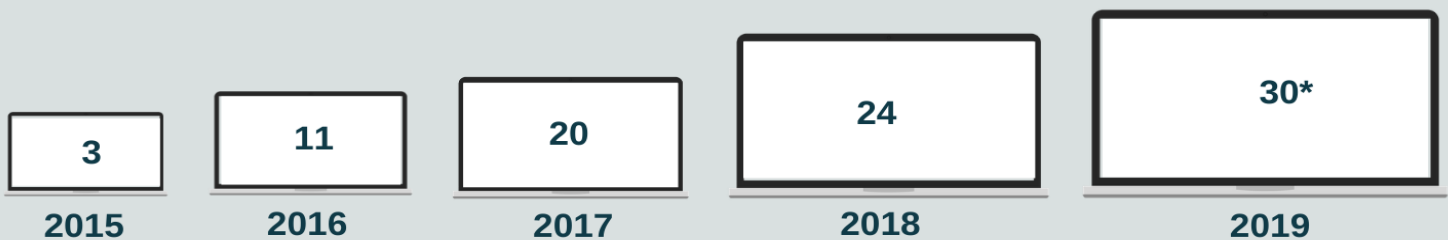


## | Number of enrolled students (accumulated)



As of November 2019

## | Number of available courses



\*Few course in final development

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