



KHON KAEN UNIVERSITY



Education Transformation

Curriculum	Supply site	➔	Demand site	ปรับหลักสูตรให้เป็นไปตามความต้องการของตลาด สังคม
Education	Mass	➔	Personalized	เนื้อหาเต็มในส่วนที่ขาด ตอบโจทย์บุคคล ปรับวิธีการสอนและการเรียน
Learning	Cognitive	➔	Experience	เพิ่มประสบการณ์ และเรียนรู้จากการทำงาน และกิจกรรม
Life-long Learning	Specific age	➔	All age	Re-learn, re-skill, up-skill, multi-skill
Learning anytime and on demand	Degree	➔	Non degree	เน้นหลักสูตรที่ไม่รับปริญญา และการเก็บสะสมเครดิตเพื่อรับปริญญาในอนาคต
Innovation and entrepreneur	Knowledge	➔	Innovation Commercial	พัฒนาศักยภาพของบัณฑิตศึกษาในการสร้างองค์ความรู้และนวัตกรรม

Collaboration with International Partners





International Cooperation in Education: Thailand Experiences

Khon Kaen University, THAILAND



1 | APEC-HRDWG

“15 years” of APEC Lesson Study

APEC Tsukuba

<http://www.cried.tsukuba.ac.jp/math/apec/>

APEC Khon Kaen

https://home.kku.ac.th/crme/detail_page/apec2019.html

APEC Project: Becoming Series of Projects

First Series: In 2006 – 2008, the project focused on *‘Innovative teaching mathematics through lesson study’*. This series were funded by APEC fund.

Second Series: In 2009 – 2011, it was self-fund project that focused on *‘Mathematics textbook, e-textbooks and education tools’*.

Third Series: In 2012 – 2014, it was APEC funded project that focused on *‘Emergency Preparedness Education’*.

Fourth Series: In 2015 – 2017, it was APEC funded project that focused on *‘Cross-border Education and STEM Education’*.

Looking Back: In 2017-2018: Bridge 12 years of APEC Lesson Study to *InMside High Quality Curriculum for Digital Economies*

Fifth Series: In 2019-2021: it was APEC funded project that focused on *Thinking Skills for the 4th Industrial Revolution in Digital Era*

2019; ‘Inclusive Mathematics for Sustainability in a Digital Economy (InMside I)

2020; Informatics and Data Science Education Reform for Digital, Inclusive and Sustainable Society (InMside II), **Foundation for AI**
2021;

APEC forum: Human Resource Development Working Group

Proposing APEC economy: Japan, Malaysia and Thailand

Co-sponsoring economies: Australia; Chile; China;

Indonesia; Republic of Korea; Papua New Guinea;

Russia; New Zealand; Chinese Taipei; Singapore; USA

APEC LESSON STUDY Project: 2006-2020



2006



2008



2010

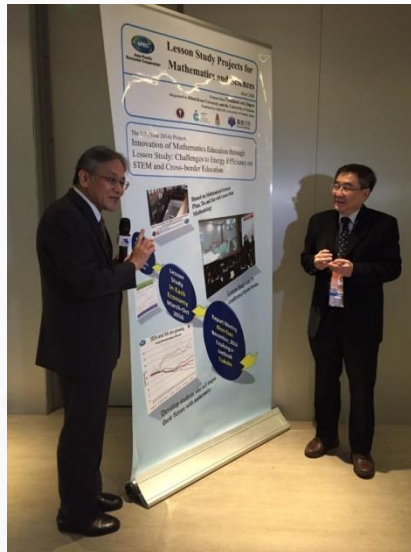
5th APEC Education Ministerial Meeting (AEMM)
21-23 May 2012, Gyeongju, Korea



37th APEC-HRDWG
14 – 17 May 2015, Philippines



The 6th APEC Education Ministerial Meeting (AEMM)
4-6 October 2016, Lima, Peru



The Ministers applaud the growth of university-sponsored projects that bring together consortia of universities such as **Mathematics and Science Lesson Study** led by **Khon Kaen (Thailand)** and **Tsukuba (Japan)** universities.



AEMM 2012, Korea

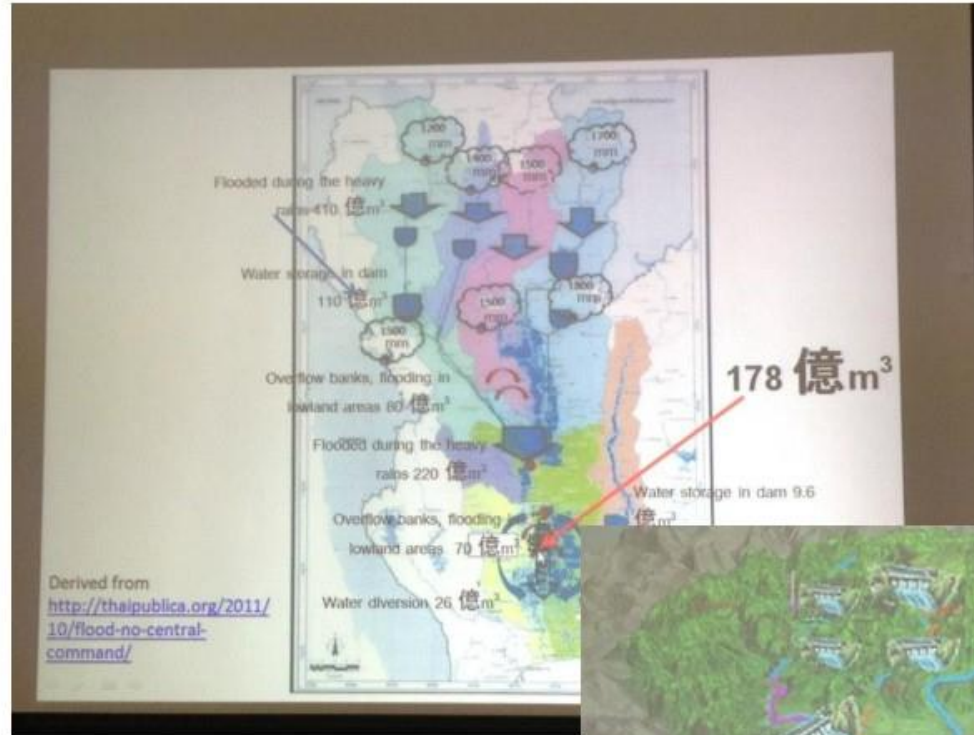


5th APEC Education Ministerial Meeting Joint Statement
Envisioning Together for the Future and Hope
21-23 May 2012
Gyeongju, Republic of Korea

16. We acknowledge that the extent to which the member economies cooperate is vital for strengthening the capacity and future viability of education efforts within the APEC region. The Ministers applaud the growth of university-sponsored projects that bring together consortia of universities such as Mathematics and Science Lesson Study led by Khon Kaen (Thailand) and Tsukuba (Japan) universities, Foreign Language Lesson Study led by Ming Chuan University (Chinese Taipei), ALCoB co-supported by Pusan National University (Korea), teacher preparation in mathematics and science secondary education quality projects led by National Institute of Education (Singapore), Columbia University (United States), and the University of Waikato (New Zealand), and higher education quality projects led by Monash University (Australia), East China Normal University (China), the University of Hawaii (United States), and Far Eastern Federal University (Russian Federation). The Ministers agree that the direction of future educational cooperation efforts should include both information exchange and other practical forms of cooperation which aligns with the HRD-PPP (Moscow Initiative).

APEC LESSON STUDY Project: 2006-2020

2014



APEC LESSON STUDY Project: 2006-2020

2015



Prof. Maitree Inprasitha,
Dean, Faculty of
Education, KKU
APEC-Lesson Study
Project Co-overseer

Prof. Kittichai Triratanasirichai,
President, KKU

Prof. Masami Isoda,
APEC-Lesson Study Project
Co-overseer

Dr. Gatot Hari Priowirjanto,
Director,
SEAMEO Secretariat

Prof. Christine Kim-Eng Lee,
President,
World Association of Lesson Studies

WALS – APEC Khon Kaen 2015
23-27 November 2015
Faculty of Education, Khon Kaen University

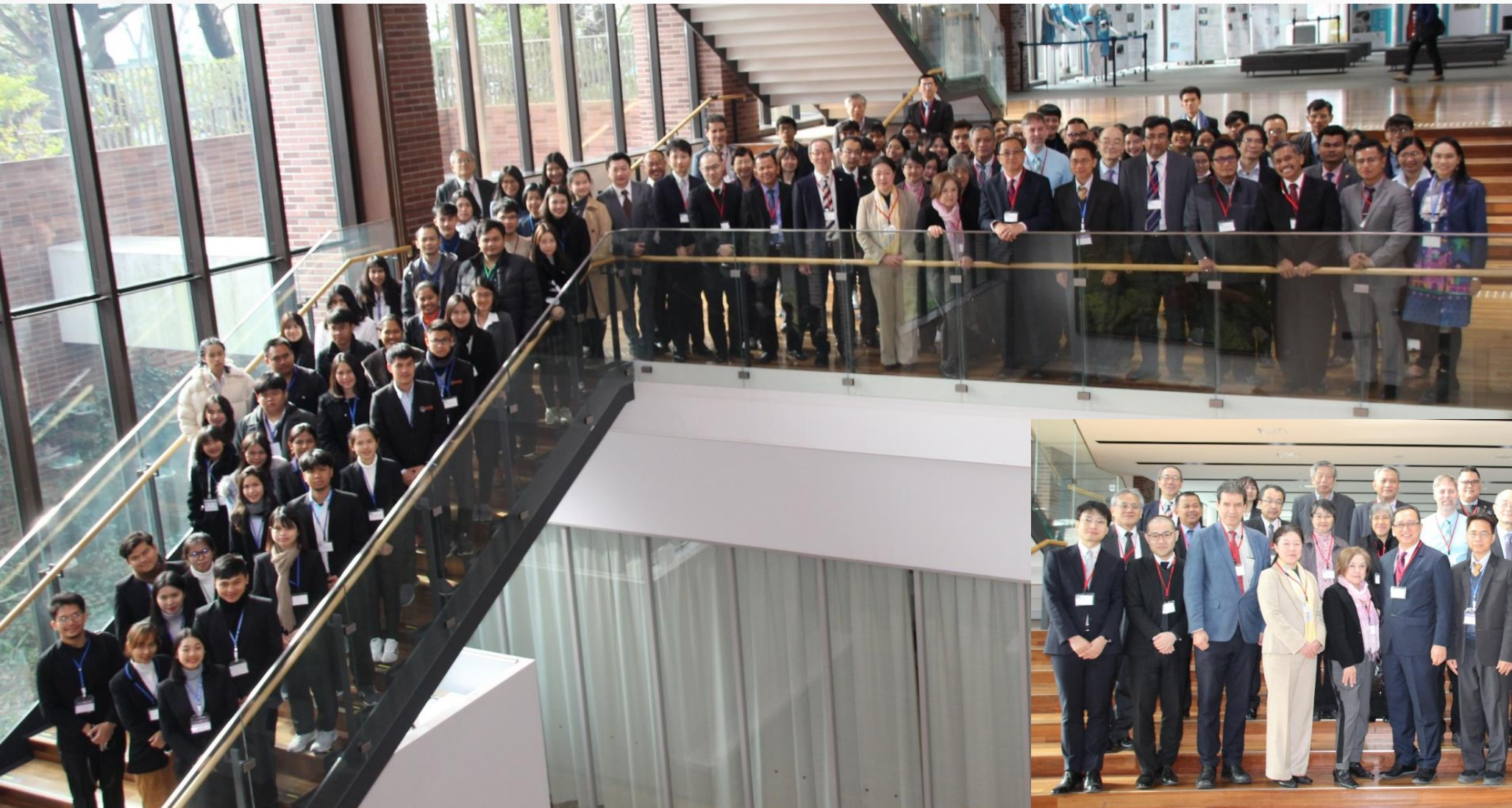


APEC LESSON STUDY Project: 2006-2020

2018



APEC LESSON STUDY Project: 2006-2020



2019



The 14th APEC-Khon Kaen International Conference 2019

“APEC MEETING IN DIGITAL ERA: AI FOR EDUCATION”

18-20 November 2019 at Khon Kaen University, Thailand



APEC LESSON STUDY Project: 2006-2020

APEC Seminar on Computational Thinking Curriculum for
the Digital Economy,
May 2-4, 2019, Vina Del Mar, Chile

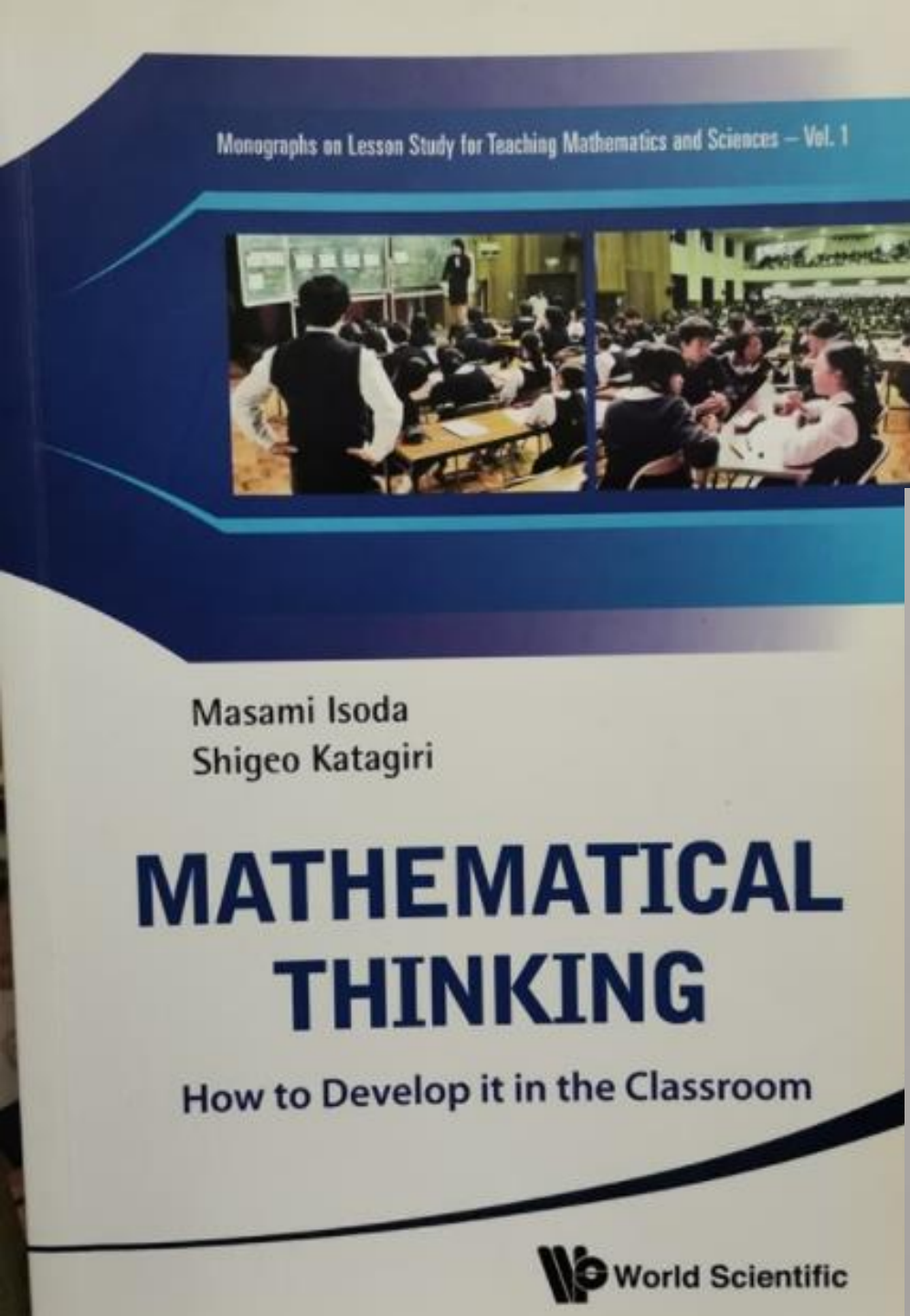


APEC-Tsukuba International Conference XIV

Steering meeting of the Informatics and Data Science Education Reform for Digital, Inclusive and Sustainable Society (InMside II), **Foundation for AI**
2020.02.11-13, University of Tsukuba, Tokyo Campus, Tokyo Japan



Book from Collaboration



Monographs on Lesson Study for Teaching Mathematics and Sciences

Series Editors: Kaye Stacey (*University of Melbourne, Australia*)
David Tall (*University of Warwick, UK*)
Masami Isoda (*University of Tsukuba, Japan*)
Maitree Inprasitha (*Khon Kaen University, Thailand*)

Published

Vol. 1 Mathematical Thinking: How to Develop it in the Classroom
by Masami Isoda (*University of Tsukuba, Japan*) and
Shigeo Katagiri (*Society of Elementary Mathematics Education, Japan*)



Series on Mathematics Education Vol. **3**

Edited by

**Maitree Inprasitha • Masami Isoda
Patsy Wang-Iverson • Ban Har Yeap**

LESSON STUDY

Challenges in Mathematics Education

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2 | **WALS**

The World Association of Lesson Studies

The World Association of Lesson Studies –WALS 2015

24-27 November 2015

Faculty of Education, Khon Kaen University



The World Association of Lesson Studies –WALS 2015

24-27 November 2015

Faculty of Education, Khon Kaen University



The World Association of Lesson Studies –WALS 2015

24-27 November 2015

Faculty of Education, Khon Kaen University



3 | EARCOME

East Asia Regional Conference on Mathematics Education

EARCOME 6, 2013 at Thailand

Khon Kaen University hosted EARCOME 6 in Phuket.
More than 500 participants.



EARCOME 6, 2013 at Thailand

Khon Kaen University hosted EARCOME 6 in Phuket.
More than 500 participants.



4 | CANP

Capacity & Networking Project

Laos

In 2003-2004, Faculty of Education, KKU by collaboration with Faculty of Science, KKU had launched the Hoshino Project for training the mathematics teachers in Laos PDR at Vientiane.



**The meeting on Cooperation between NCTD and IRDTP to
develop Teacher Professional Development in **CLMV countries**.**

**2 July 2016 at Faculty of Education,
National University of Laos, Laos**



Workshop “Teaching for Higher-Order Thinking in Mathematics for Lao Teachers -Lesson Study and Open Approach-”

27-29 August 2016

Pakse Teacher Training College, Lao PDR

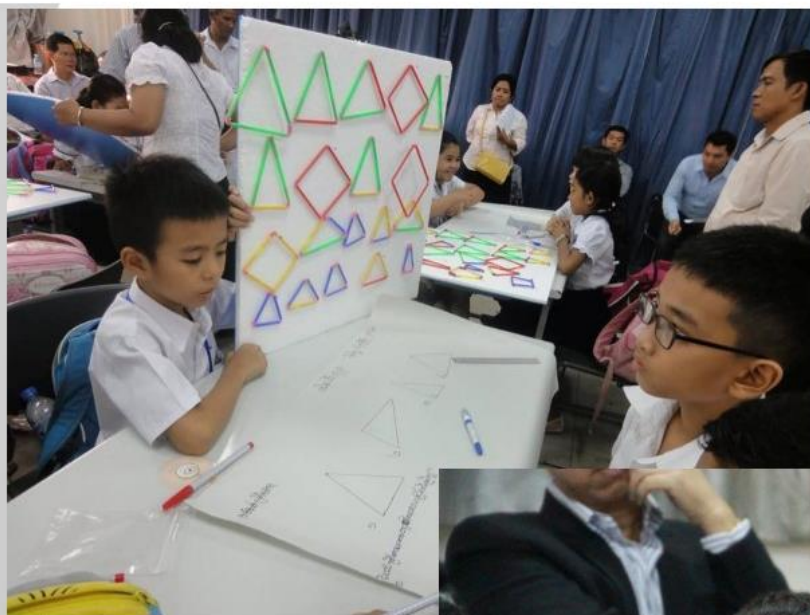


Cambodia

Workshop “Teaching for Higher-Order Thinking in Mathematics for Cambodian Teachers -Lesson Study and Open Approach-”

13-14 June 2016

National Institute of Education, Phnom Penh, Cambodia



ICME 12 (11 July 2012), get started with first preparing meeting



EARCOME 6 in Thailand, second preparing meeting



CANP3

14-25 October 2013, Phnom Penh, Cambodia

The Local Organising Committee was headed by
Dr. Chan Roath (Cambodia)



34 participants (15 female and 19 male) plus **5 facilitators** from the region and **4 from overseas.**

CANP3

14-25 October 2013, Phnom Penh, Cambodia



Cambodia (16)

CANP3

14-25 October 2013, Phnom Penh, Cambodia



Laos (6)

CANP3

14-25 October 2013, Phnom Penh, Cambodia



CANP3

14-25 October 2013, Phnom Penh, Cambodia



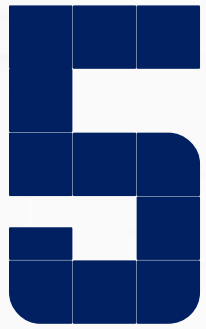
Vietnam (4)

การอบรมเชิงปฏิบัติการ หัวข้อ “Capacity and Networking Project-Southern Mekong Region (CANP-SMR)”
ประชุมทางวิชาการ The 7th ICMI-East Asia Regional Conferences on Mathematics Education (EARCOME 7)
ณ Waterfront Hotel เมืองซีบู ประเทศฟิลิปปินส์



การอบรมเชิงปฏิบัติการ หัวข้อ “Capacity and Networking Project-Southern Mekong Region (CANP-SMR)”
ประชุมทางวิชาการ The 8th ICMI-East Asia Regional Conferences on Mathematics Education (EARCOME 8)
ณ Taipei, Taiwan

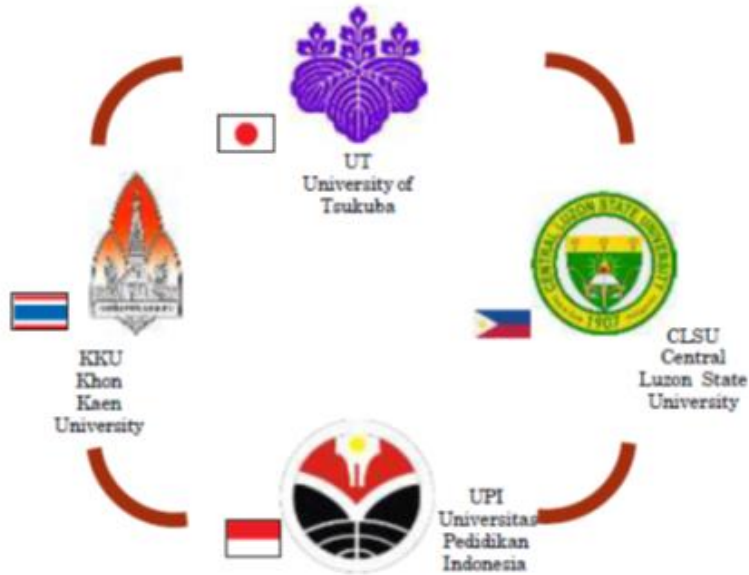




SEA Teachers

**Pre-Service Student Teacher Exchange in
Southeast Asia**

Pilot Project for SEA Teacher with HEIs in ASEAN and Japan



- Teaching practice for pre-service teacher 1-month
- 6 students from each university (2 students for each country)
- Host university covers expenses for accommodation and local transportation
- Students (or home university) covers expenses for international flight
- BEVI (a survey tool) will be used to assess students personal growth through participation in pilot project

Contribution to harmonization of teacher's education in ASEAN
→SEAMEO's priority area no.6
'Remilitarization of Teachers Education'

Nurturing global human resources who could contribute ASEAN community with teacher profession

Sharing good practices in teacher education in participating countries

Contribution to improvement of SEA teacher project by utilization of outcome of pilot project

SEA teacher









นักศึกษามหาวิทยาลัยขอนแก่นไปสอนที่โรงเรียนในโครงการ SEA-TEACHER



นักศึกษามหาวิทยาลัยขอนแก่นไปสอนที่โรงเรียนในโครงการ SEA-TEACHER



7 | UNESCO's UNITWIN

โครงการ UNITWIN Cooperation Programme for
Quality Teacher Education Contributing for SDGs

To expand the education network at the regional level in Asia and consolidate the main goals of UNESCO

UNESCO UNITWIN

Conference at KNUE

2019 **06.18 TUE**

09:00~18:00
Korea National University of Education

Four main themes: Teacher curriculum, Teacher Certification, Teacher Training, Innovation

| Participating Universities |

- Korea National University of Education (Korea)
- KohnKaen University (Thailand)
- University of Education (Vietnam)
- Indonesia University of Education (Indonesia)
- Souphanouvong University (Laos)



**UNITWIN Cooperation Program
for Quality Teacher Education
The 1st International Seminar on Quality Teach Education**

June 18, 2019
Korea National University of Education, the Republic of Korea

| Tuesday, 18 June 2019, Room 202, Future Library |

- Moderator : Young Hoon Kim (Department of Geography Education)
- Welcoming Remarks (09:00 ~ 09:30)
- Hee Chan Lew (President, Korea National University of Education)
- Chang Wan Yang (Director of International Relations, Ministry of Education)
- Kwangho Kim (Secretariat General, Korean National Commission for UNESCO)

Group Photo (09:30 ~ 09:40)

SESSION I • Education Innovation, and Development (09:40 ~ 10:30)

Moderator : Eun Young Jung (Department of Arts Education)
Presenters

- Maitree Inprasitha and Professor Narumol Inprasitha, KhonKaen University, Thailand
Title_ Who can bring innovation into school – Thailand Experience?
- Nam Hwa Kang (Department of Physics Education)
Title_ Teacher Quality Assurance: Teacher Education and Professional Development in South Korea

Discussant : Woogul Lee (Department of Education)

SESSION II • Teacher Education and Programmes (10:30 ~ 11:20)

Moderator : Eun Young Jung (Department of Arts Education)
Presenters

- Ari Widodo, Indonesia University of Education, Indonesia
Title_ Teacher Professional Development in Indonesia: A Vision for the evolutionary Process
- Jungjoo Sohn (Department of Earth Science Education)
Title_ Evidence-Based Teaching for STEM Education

Discussant : Hyeonjin Kim (Department of Education)

Coffee and Tea Break (11:20 ~ 11:40)

SESSION III • Education Curriculum and learning technology (11:40 ~ 12:30)

Moderator : Saeun Choi (Department of Home Economics Education)

Presenters

- Nguyen Chi Thanh, University of Education, Vietnam National University, Hanoi, Vietnam
Title_ Preparing high-school teachers for new coming curriculum: Vietnam as a case study
- Youngju Lee (Department of Education)
Title_ Technology Integration in Teacher Education

Discussant : Jin Eun Yoo (Department of Education)

Lunch (12:30 ~ 14:00)

SESSION IV • Education Policy and teacher qualification (14:00 ~ 14:50)

Moderator : Saeun Choi (Department of Home Economics Education)

Presenters

- Dinn Wahyundin, Indonesia University of Education, Indonesia
Title_ UPI-Certification of Teachers through teacher professional EDUC
- Young Sek Kim (Department of Education)
Title_ Educational policies of school-based lifelong education in South Korea

Discussant : Kwangho Lee (Department of Elementary Education)

SESSION V • Teaching and Learning, and Contents (14:50 ~ 15:40)

Moderator : Soo Jin Lee (Department of Math Education)

Presenters

- Yang Xang, Souphanouvong University, Laos
Teaching and Learning Challenges at the Faculty of Education of Souphanouvong University
- Sang-young Park (Department of General Social Studies Education)
Title_ Democracy and Political Education in Globalizing Korea

Discussant : Young-hoon Kim (Department of Geography Education)

Coffee and Tea Break (15:40 ~ 16:00)

SESSION VI • Teaching and Learning, and Counseling (16:00 ~ 16:50)

Moderator : Soo Jin Lee (Department of Math Education) **Presenters**

Presenters

- Tran Thanh Nam, University of Education, Vietnam National University, Hanoi, Vietnam
Educating and training of school counseling in Vietnam
- Sianouvong Savathvong, Souphanouvong University, Laos
Educational Development for Pedagogy Programme in Souphanouvong University

Discussant : Heejoung Kim (Department of Education)

SESSION VII • Panel Discussion: A Way Forward for a Solution (16:50 ~ 17:30)

Moderator : Young-hoon Kim (Department of Geography Education) **Presenters**

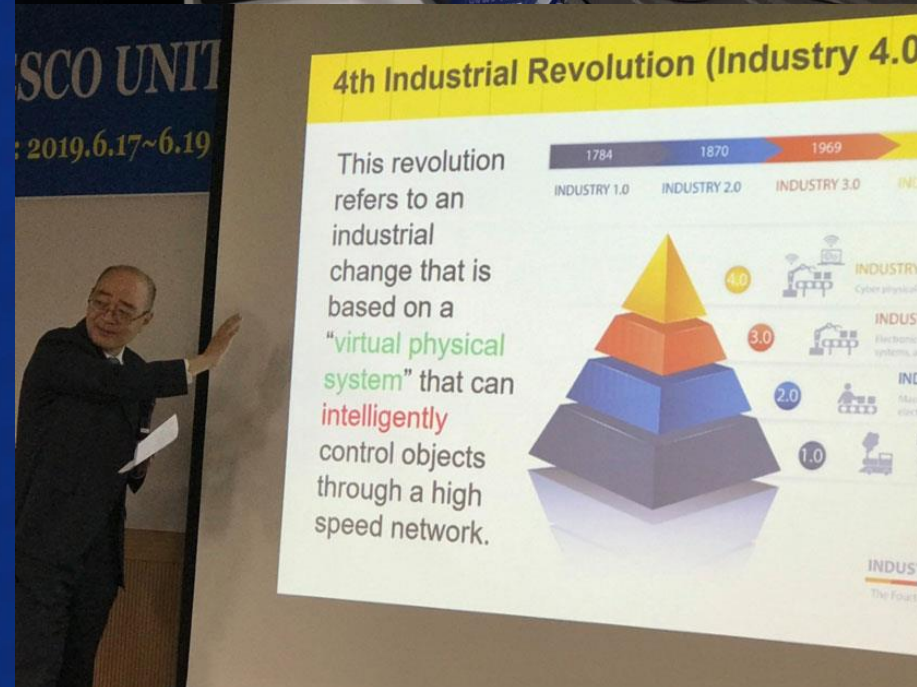
Presenters

- Suggestions for the future moves and perspective for UNITWIN from the experts on education, policies, administration, school practices etc
- Hee Chan Lew(President, KNUE)
- Isoda Masami Tsukuba University, Japan

Closing Remark and comments (17:30 ~ 18:00)

Welcoming Dinner (18:00 ~ 20:00)

**Above schedules are flexible to changes due to unexpected situations.



The 1st International Seminar on the KNUE UNITWIN, 17-19 June 2019, Korea National University of Education, the Republic of Korea



UNITWIN to visit Khon Kaen University

September 25th – 27th 2019



UNITWIN to visit Khon Kaen University

September 25th – 27th 2019



UNITWIN to visit Khon Kaen University

September 25th – 27th 2019



Khon Kaen University visited KNUE

28-30 Jan 2020



- Presidency Group of Khon Kaen University (Prof. Charnchai Panthongviriyakul, President of Khon Kaen University) had visited Korea National University of Education (KNUE) from 28-30 Jan 2020.
- Khon Kaen University is a cooperative university executing the “UNITWIN Project” for the high quality teacher training with our university and they had visited our university in order to benchmark the Korea’s education trend including AI.
- Presidency Group of Khon Kaen University had experienced Korea’s changing education field in accordance with the 4th industrial revolution, experiencing future education EXPO of our university’s Education Research Institution and visited University of Science and Technology (UST) located in Daejeon and Semyeong Computer High School which is the IBM P-Tech Seoul New Collar School.
- Dr. Lew, president of KNUE stated “We will successfully promote the UNITWIN Project by consistently cooperating with Khon Kaen University and expect KNUE to be the global leading teacher training university.

8 | PME

**Annual Meeting of the International Group for the
Psychology of Mathematics Education,
2021, Khon Kaen, Thailand**









Gallery View Exit

The 2020 Virtual Meeting
of the International Group for the Psychology of Mathematics Education
at HONOLULU UNIVERSITY, HAWAII

Talking: 2. Staff 02, KKU

University
ขอนแก่น



en University
าลัยขอนแก่น

