## **Theme**

Innovative Future Education in APEC-Creating New Dynamism and Increased Employability

The 13th
APEC Future
Education
Forum

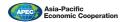
The 15th
International
ALCoB
Conference

Date: Nov. 15 - 17, 2017 (Wed. - Fri.)
Ha Noi Melia Hotel, Viet Nam

· Host: Ministry of Education, Republic of Korea

· Co-Host: Ministry of Education and Training, Socialist Republic of Viet Nam

• Organizer: Institute of APEC Collaborative Education (IACE)











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## **Welcome Message from Korea**



Mr. Yeonghan Choi

Director General of the International Cooperation Bureau Ministry of Education, Republic of Korea

Distinguished delegates, honorable guests and participants,

As Director General of the International Cooperation Bureau of the Ministry of Education, Republic of Korea, I am very honored to welcome you to the 13th APEC Future Education Forum (AFEF) and the 15th International ALCoB Conference.

Especially, my sincere appreciation goes to the Ministry of Education and Training of Viet Nam, the co-host of the 13th AFEF and the 15th International ALCoB Conference.

After the endorsement of APEC Human Resources Development Working Group (HRDWG) in 2004, the Ministry of Education of the Republic of Korea and the Institute of APEC Collaborative Education have annually held the Forum and Conference. Invited speakers and attendees from APEC member economies' academia, public, private sectors have addressed noteworthy global issues related to education and human resources development.

This year, the Forum and Conference have a theme "Innovative Future Education in APEC—Creating New Dynamism and Increased Employability". The theme has been carefully chosen to reflect APEC 2017 host economy Viet Nam's annual theme, which is, "Creating New Dynamism, Fostering a Shared Future".

In addition, the Forum and Conference will open the floor for the participants to discuss the Fourth Industrial Revolution and its effects on future society, economy and education.

In this regard, I sincerely hope that these annual Forum and Conference serve their roles as precious meetings to discuss about education policy and the best practices from APEC. By sharing education policy and the best practices, and exchanging our know-hows on international education cooperation, our perspectives on education and APEC will be broadened.

Moreover, the Forum and Conference will serve as a platform which provides various stakeholders opportunities for international education cooperation.

On behalf of the Ministry of Education of the Republic of Korea, I would like to express my sincere gratitude to our distinguished delegates, honorable guests, and participants. Your passion and support are the keys to the successful deliberation of the Forum and Conference. Once again, I wish the Forum and Conference a great success.

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Mr. Yeonghan Choi Director General of the International Cooperation Bureau Ministry of Education, Republic of Korea

## **Welcome Message from Viet Nam**



# Mr. Pham Chi Cuong

Deputy Director General International Cooperation Department Ministry of Education and Training of Viet Nam

#### Dear Colleagues,

It is a great pleasure and an honor for me to warmly welcome you all to the 13th APEC Future Education Forum and 15th International ALCoB Conference, jointly organized by the Ministry of Education and Training of Viet Nam, the Ministry of Education, the Republic of Korea and Institute of APEC Collaborative Education (IACE) in Ha Noi from 15 to 17 November 2017, on the occasion that Viet Nam hosts the APEC Summit 2017.

The theme of the Forum 'Innovative Future Education in APEC – Creating New Dynamism and Increased Employability' shows a mutual interest and is a target for many APEC economies to achieve specifically in promotion of industry-academia collaboration, further sustainable and inclusive growth, acceleration of structural reforms, raising productivity and developing high-quality human resources, especially in the Fourth Industrial Revolution.

In order to achieve these goals, it is necessary to have the collaboration and co-operation of experts and individuals from diverse backgrounds in education, science and technology, and business to give consultations, recommendations and insights so that right policies and guidelines in human resources training can be made.

The 13th APEC Future Education Forum and 15th International ALCoB Conference are held this time, providing an excellent platform and opportunity to share our expertise, experience, and knowledge in concerned areas with colleagues from APEC economies and around the world through the exchange of ideas in technical meetings, presentations, discussions, and field visits.

We hope you will join us in all sessions and take a little extra time to enjoy visiting and exploring our ancient Ha Noi city.

With best wishes,

Mr. Pham Chi Cuong Deputy Director General International Cooperation Department Ministry of Education and Training of Viet Nam

## **Overview & Objective**

#### **Overview**

- Title The 13th APEC Future Education Forum & The 15th International ALCoB Conference
- Theme Innovative Future Education in APEC—Creating New Dynamism and Increased Employability
- Host Ministry of Education, Republic of Korea
- Co-Host Ministry of Education and Training, Socialist Republic of Viet Nam
- Organizer Institute of APEC Collaborative Education (IACE)
- Participants 200 persons (government officials, scholars, experts, professors, entrepreneurs, teachers)
- Date/Venue 15-17 November 2017 / Ha Noi Melia Hotel, Viet Nam
- Main programs Opening Ceremony with a Keynote Lecture
  - APEC Future Education Forum: Sessions 1~3
  - International ALCoB Conference
  - ALCoB Culture Night
  - AFEC Steering Committee Meeting
  - Closing Ceremony
- Website www.alcob.org

# **Objective**

#### **APEC Future Education Forum (AFEF)**

As a part of the official APEC Project of Korea entitled 'APEC Future Education Consortium', AFEF was endorsed in 2004 at the 26th APEC HRDWG Meeting. As the largest annual international education forum in the APEC region, AFEF has accumulated some 3,200 participants who are government officials, experts, entrepreneurs, teachers, and others from International Organizations. It is an arena where discussion on international education collaboration, directions, and visions for future education is held to establish mutual prosperity in the APEC region.

#### International ALCoB Conference

After the endorsement of 'APEC Learning Community for Shared Prosperity' in 2003 at the 25th APEC HRDWG meeting, International ALCoB Conference has been implemented since 2004. At an annual gathering, the conference participants share the achievements of ALCoB's activities in each year and discuss future plans for the following year. It allows global ALCoB members to gather to be united in ALCoB spirit and friendship.

#### 2017 APEC Edutainment Exchange Program (AEEP)

2017 APEC Edutainment Exchange Program (AEEP) is held from 13th to 18th of November as a side event of AFEF, also in Hanoi, with the theme of "Social Entrepreneurship as a Tool to Solve Social Problems in APEC region". AEEP consists of 4-week-long online and a-week-long offline activities. Under the annual theme, participants learn about social enterprise and draft a social business plan by interacting with mentors and experts.

#### **History**

Sept.~Oct.

Oct. 2015

Oct. 2016

Nov. 2017

2014

	Jan. 2004	The 1st Int'l ALCoB Conference / Seoul, Korea
	Aug. 2005	The 2nd Int'l ALCoB Conference / Busan, Korea
	Sept. 2005	The 1st APEC Future Education Forum (AFEF) / Busan, Korea
	Dec. 2005	The 3rd Int'l ALCoB Conference / Busan, Korea
	April 2006	The 4th Int'l ALCoB Conference / Busan, Korea
	Nov. 2006	The 2nd AFEF & The 5th Int'l ALCoB Conference / Busan, Korea
	Sept. 2007	The 3rd AFEF / Busan, Korea
	Nov. 2007	The 6th Int'l ALCoB Conference / Busan, Korea
	Aug. 2008	The 7th Int'l ALCoB Conference / Busan, Korea
4	Nov. 2008	The 4th AFEF / Lima, Peru
	Pri	for to 2009, AFEF & Int'l ALCoB Conference were held separately, but Since 2009, AFEF & Int'l ALCoB Conference have been held as sister events
	Nov. 2009	The 5th AFEF / Bangkok, Thailand
	Nov. 2010	The 6th AFEF / Busan, Korea
	Dec. 2010	The 8th Int'l ALCoB Conference / Busan, Korea
	Nov. 2011	The 7th AFEF & The 9th Int'l ALCoB Conference / Bali, Indonesia
	May 2012	The 8th AFEF & The 10th Int'l ALCoB Conference / Gyeongju, Korea
	Oct. 2013	The 9th AFEF & The 11th Int'l ALCoB Conference / Manilla, the Philippines

The 10th AFEF & The 12th Int'l ALCoB Conference / Busan, Korea

The 11th AFEF & The 13th Int'l ALCoB Conference / Busan, Korea

The 12th AFEF & The 14th Int'l ALCoB Conference / Lima, Peru

The 13th AFEF & The 15th Int'l ALCoB Conference / Hanoi, Vietnam

## **Keynote Speaker**



Dr. Le Anh Vinh

Vice Director General
Vietnam Institute of Educational Sciences (VNIES)
Viet Nam

Associate Professor Le Anh Vinh is Vice Director General of Vietnam Institute of Educational Sciences (VNIES).

Vinh got his B.Sc. in Math (with Honors) and Computer Science from the University of New South Wales, Australia in 2005 then pursued his Ph.D in Mathematics at Harvard University in 2010. Before joining VNIES, he held several positions at University of Education, Vietnam National University, including Dean of Faculty of Teacher Education, Director of Center for Educational Researches and Applications, and Principal of High school of Educational Sciences. His academic activities include General member of Institute for Mathematics and Its Applications, University of Minnesota, US (Oct 2014 – March 2015), Junior Fellow at ICTP, Italy (Fall 2013), Visiting scholar at University of Rochester (Spring 2011), Rothschild scholar at African Mathematical Research Institute, South Africa (Spring 2010), and Junior Research Fellow at the Erwin Schroedinger Institute, Austria (Spring 2008). Prof. Le has published more than 50 papers at international journals and is leading a research group at Vietnam Institute of Educational Sciences on developing Vietnam Annual Report on Education.

#### **Moderator, Chair of AFEC**



**Prof. Dong Sun Park** 

President Institute of APEC Collaborative Education Republic of Korea

Prof. Dong Sun Park is the Lead Shepherd of the APEC Human Resources Development Working Group (HRDWG), the President of the Institute of APEC Collaborative Education (IACE), and also Professor at Pusan National University.

As a career diplomat, he served as an Ambassador of the Republic of Korea to Finland and concurrently to Estonia (2010-2013), Ambassador for International Economic Cooperation at the Ministry of Foreign Affairs and Trade (2009-2010), Ambassador and Deputy Permanent Representative to OECD (2007-2009), and Consul General at Chengdu, China (2004-2007).

Ambassador Park was also assigned to Korean Missions and Embassies in Geneva, Switzerland, Thailand, Kenya, and Greece, covering work relating to international organizations such as the WTO, UN ESCAP, UNEP and OECD, as well as the Greek EU Presidency. He also served as Program Management Officer at UNESCAP. He also held the post of the Principal Secretary for Diplomacy and Protocol to the Chairman of the National Assembly (2003-2004).

#### Session 1 Speaker



## **Prof. Annabelle Duncan**

Vice-Chancellor and Chief Executive Officer University of New England Australia

Professor Annabelle Duncan is the Vice-Chancellor and Chief Executive Officer of the University of New England. She joined the University in September 2010, initially as Deputy Vice-Chancellor Research and then as Deputy Vice-Chancellor.

Prior to joining UNE, Professor Duncan spent 16 years in the CSIRO, including 6 years as Chief of the Division of Molecular Science. She has also served in managerial roles within the Bio21 Institute at University of Melbourne and AgriBio Institute at La Trobe University.

Professor Duncan acted as an advisor to the Department of Foreign Affairs and Trade on biological weapons control, representing Australia at international arms control meetings and acting as a biological weapons inspector with the United Nations in Iraq.

She was awarded a Public Service Medal in 1996, and Honorary Doctor of Science (DSc) from Murdoch University in 2005 for her work in arms control.

## **Session 1 Speaker**



**Prof. Shinichi Komori** 

Professor Tokyo Gakugei University Japan

The speaker holds Bachelor of Education (1992; Tokyo Gakugei University), Master of Education/1st (1995; Tokyo Gakugei University), Master of Education/2nd (2000; University of Saskatchewan, Cananda), and Ph.D. (2009; University of British Columbia, Cananda)

The speaker has worked in Tokyo Gakugei University since 2008 and served as adviser to the president since 2015. The speaker's areas of specialization are holistic education, sustainability education, outdoor-environmental education, and experience study. Recently, the speaker is also interested in applying knowledge obtained from happiness study and positive psychology into his major of education. In addition, the speaker enthusiastically engages in some social action programs as one of main members especially in Global Eco-village Network Japan and Japan Association for Certificating and Training Specialists.

## **Session 2 Speaker**



**Ms. Iris Seet** 

Deputy Dean ITE Academy Singapore

Ms. Iris Seet has a Bachelor's degree in Arts & Social Sciences, National University of Singapore and a Master's Degree in Instructional Systems Design from Florida State University, USA.

She has held portfolios such as Principal of ITE Bishan, Director of Business School, Senior Director overseeing curriculum planning and development at ITE Headquarters and now serves as Deputy Dean at ITE Academy. In recognition of her contributions in the field of TVET, she was conferred the Public Administration Medal (Silver) by the Singapore Government.

## **Session 2 Speaker**



Ms. Kim Eun-Jung

Manager POSCO Republic of Korea

Ms. Kim Eun-jung is currently in charge of training support for SMEs at the POSCO SME Consortium Team. Based on her experience working as an on-site engineer, she used to design and execute new employee training and engineer education for in house staff. She also conducted in-depth research on corporate education through project experiences, including establishing a company-wide education system.

As a consultant, she has extensive consulting experience, including job analysis of multiple companies and establishment of competency-based education system.

### **Session 3 Speaker**



**Prof. Chi-Syan Lin** 

Professor / National University of Tainan / Chinese Taipei

Chi-Syan Lin earned his Ph.D. from Indiana University in the United States. He currently is a professor in Department of Information and Learning Technology at National University of Tainan, Taiwan. The research interests of Chi-Syan Lin include Virtual Learning, Virtual Schools, Game-based Learning, and Virtual Learning Communities. Currently, he devotes himself into the introduction and application of blended PBL (Project-Based Learning) in K-12 schools.

#### **Session 3 Speaker**



**Mr. Bonyeon Kim** 

Manager / Samsung / Republic of Korea

The Speaker holds a B.A. in Sociology (2010) from Seoul National University. The speaker has been working in Samsung since 2010, served as a manager of CSR program named "Junior Software Academy" in Korea. Total 40,000 students, 1,400 teachers national wide have experienced software education. He is interested in making creative ideas into reality, especially making a better education with innovative teachers, enthusiastic students using IT for the future.

## **Session 3 Speaker**



Mr. Sung won, Seo

Teacher / Mapo High School / Republic of Korea

The Speaker holds a B.A. in Education of Computer Science (2004), an M.A. degree Education of Computer Science (2010) from Korea National University of Education. The speaker worked in Mapo High School (2004 ~) as an Informatics Teacher and served in Federation for Education of Creative Science & Technology (2010~2013), Federation of The Korea Robot Volunteers (2016 ~) Director. The speaker is interested in education of computer science, physical computing, robot and PBL (project based learning). The speaker has co-edited several books of Robot Programming and Informatics textbook.

## **Time Table**

**⑤** DAY 1

15 November (Wednesday) • The 13th APEC Future Education Forum (AFEF)

Time	Durante
Time	Program
09:30-10:30	Registration(Level 1)
10:30 -11:00	Opening Ceremony of the 13th APEC Future Education Forum  Introduction of VIPs (Master of Ceremony, Ha Noi National University of Education, Viet Nam)  Opening Remark (H.E. Nguyen Van Phuc, Vice Minister of Education and Training, Viet Nam)  Welcoming Remark (Mr. Yeonghan Choi, Director General, Ministry of Education, Republic of Korea)  Congratulatory Remark (H.E Lee Hyuk, Ambassador of the Republic of Korea)  Congratulatory Remark (Dr. Young-Shik Kim, Chairman of Institute of APEC Collaborative Education)  Group Photo
11:00 -12:00	Keynote Lecture and Panel Discussion  Theme: "Direction of Future Education to promote youth employability in APEC region"  Speaker: Dr. Le Anh Vinh, Vice Deputy General, Viet Nam Institute of Educational Sciences  Moderator: Prof. Dong Sun Park, APEC HRDWG Lead Shepherd  Panelists:  Mr. David Dodwell, Executive Director, APEC Business Advisory Council  Mr. Peter Kants, First Assistant Secretary, Policy, Planning & Research, Department of Education, Papua New Guinea  Dr. Ping-Yen Lai, Professor, National Changhua University of Education, Chinese Taipei
12:00 -14:00	Luncheon
14:00 -14:40	Session 1. Competencies  • Presentation 1. "Core Competencies and Human Resources in the era of the Fourth Industrial Revolution"  (Prof. Annabelle Duncan, Vice-Chancellor and Chief Executive Officer of the University of New England, Australia)
14:40 -15:00	Coffee Break
15:00 -16:00	Session 1. Competencies (continued)  • Presentation 2. "Values in Japanese Curriculum and Schools" (Prof. Shinichi Koromi, Tokyo Gakugei University)  • Panel Q&A and Wrap up
17:00 -18:30	APEC Community for Education Innovation (CEDI) Project Advisory Committee Meeting  Closed meeting / for government officials from the supporting member economies of APEC CEDI Project (Indonesia, Japan, Malaysia, Mexico, Peru, the Philippines, Chinese Taipei, Thailand and Viet Nam)

### **S** DAY 2

**16 November (Thursday)** • The 13th APEC Future Education Forum (AFEF)

Time	Program
09:30 -10:00	Registration(Level 1)
10:00 -11:00	Session 2. Employability  Presentation 1. "From Education to Employment: the Singapore System" (Ms. Iris Seet, Institute of Technical Education, Singapore)  Presentation 2. "Inclusive Growth through HR Development of Small and Medium-sized Partners" (Ms. Eun-jung Kim, POSCO)
11:00 -12:00	<ul> <li>Session 3. Innovation</li> <li>Presentation 1. "The New Roles of ICT in Authentic Learning: An Environment and A Catalyst" (Prof. Chi-Syan Lin, National University of Tainan)</li> <li>Presentation 2. "Future Competencies Module Development and CSR activities" (Mr. Bonyeon Kim, Samsung Electronics &amp; Mr. Sung Won Seo, Mapo High School)</li> </ul>
12:00 -13:30	Luncheon

13:30-17:00	Site Visit  To Schools and University in Ha Noi, Viet Nam  Nguyen Hue High School  Chu Van An High School  Service of the Vision
17:00-18:30	ALCoB Culture Night (Banquet)

## **⑤** DAY 3

17 November (Friday)

· The 15th International ALCoB Conference & AFEC Steering Committee Meeting APEC Edutainment Exchange Program[AEEP]\*

Time	Program
09:30 -10:00	Registration(Level 1)
10:00 -10:15	Opening Ceremony of the 15th International ALCoB Conference  Opening Remark (Mr. Pham Chi Cuong, Deputy Director General, International Cooperation Department, MOET)  Welcoming Remark (Dr. Jung Chan Cha, Director General of IACE)  Group Photo
10:15 -12:00	Introduction of ALCoB and presentation on its activities  Introduction of ALCoB, IACE and activities in 2017 (Dr. Seung Jin Lee, Director of IACE)  ALCoB Cooperative Project (ACP) Case Study 1. (Ms. Mi Ae Lee, Seoul Robotics High School)  ALCoB Cooperative Project (ACP) Case Study 2. (Dr. Gilore Ofrancia, Manuel Roxas High School)  ALCoB Cooperative Project (ACP) Case Study 3. (Mr. Min Woo Park, Dong gung Elementary School)  ALCoB Cooperative Project (ACP) Case Study 4. (Mr. An Ji Hwan, Inje University)  ALCoB Cooperative Project (ACP) Case Study 5.  (Ms. Hyun Jung Lee, Sungwha Girls' High School & Ms. Pham Minh, Hoang Van Thu Gifted High School)  ALCoB Cooperative Project (ACP) Case Study 6. (Mr. Hwang Ha Seon, Yeosu Samil Middle School)
12:30 -13:30	Luncheon
13:30 -14:30	Presentation on ALCoB Internet Volunteer (AIV) 2017  • Presentation on AIV in Sakha, Russia (Ms. Ekaterina Sobakina & Mr. Oh Young Gue)  • Presentation on AIV in Indonesia (Mr. Taufik Hidayat & Ms. Kim Mi Jeong)  • Presentation on AIV in Peru (Mr. Chan Woong Kim)  • Presentation on AIV in Viet Nam (Mr. Soon Chul Park)
14:30 -14:45	Coffee Break
14:45 -15:15	Planning of ALCoB Internet Volunteer (AIV) 2018  ◆ Request on AIV 2018 in Sakha, Russia  ◆ Request on AIV 2018 in Viet Nam
15:15 -16:00	Q&A, Wrap Up  • Question & Answer  • Networking and Group Photo
16:00 -16:30	Coffee Break
16:30 -17:30	<ul> <li>Closing Ceremony</li> <li>Introduction of VIPs (Master of Ceremony, Ha Noi National University of Education, Viet Nam)</li> <li>Congratulatory Remarks (Dr. Wang Yan, APEC, EDNET Coordinator)</li> <li>Words of Appreciation (Mr. Pham Chi Cuong, Deputy Director General, International Cooperation Department, MOET)</li> <li>Closing Remark (Dr. Young-Shik Kim, Chairman of IACE)</li> <li>Awarding of the AEEP Teams (Center for Social Initiatives Promotion, Ha Noi Open University, Ha Noi National University of Education, Ministry of Education and Training &amp; IACE)</li> <li>Awarding the Best ALCoB (Prof. Dong Sun Park, President of IACE)</li> <li>Group Photo</li> </ul>

 $<sup>^*</sup>$  The 15th Int'l ALCoB Conference will be held on 17 Nov. from 10:00-16:00 at the  ${\it Grand Ball Room 3}$  (Level 1)

<sup>\*</sup> AFEC Steering Committee Meeting will be held on 17 Nov. from 10:00-13:00 at the Function Room 1 (Level 1)

<sup>\*\*</sup> APEC Edutainment Exchange Program will be held on 17 Nov. from 10:00-16:00 at the Grand Ball Room 1 (Level 1)

## **About AFEC** (APEC Future Education Consortium)

# APEC:

## **About ALCoB** (APEC Learning Community Builders)



After the APEC Future Education Consortium (AFEC) was endorsed as an official APEC project in 2003, the Institute of APEC Collaborative Education (IACE) has organized the annual APEC Future Education Forum (AFEF).

Beginning from 2005, AFEF has invited education policymakers, scholars, experts, teachers, entrepreneurs from APEC member economies to crystalize the vision of future education and to materialize ideal model of future schools from a wide spectrum of viewpoints on future society and education. The AFEC aims to create a shared vision of the future education amongst schools, APEC Learning Community Builders (ALCoB) and researchers within APEC region. For this purpose, the AFEF encourages its participants to discuss on theoretical and practical approaches on implementation of international education cooperation. This objective is specifically demonstrated through ALCoB School Network (ASNet) activities, which are based on autonomous and positive support from APEC member economies.

The International ALCoB Conference is an annual onsite activity in which ALCoB reviews the progress of activities, such as ALCoB Cooperative Projects (ACP) and ALCoB Internet Volunteer (AIV) activities. It seeks to foster mutual understanding of education and culture in APEC member economies through various exchange programs. It is also a venue and festival for ALCoB members around the world to congregate, strengthen its networks, and share results and insights of ALCoB activities. Since 2009, AFEF and International ALCoB Conference are conjointly held as sister events.





♠ Activities of APEC Future Education Consortium

ALCom (APEC Learning Community) is a global learning community seeking to fulfill the vision of shared prosperity in APEC through the catalyst of systematic educational innovation.

ALCOB (APEC Learning Community Builders) refer to members of ALCom. The members are consisting of teachers (ALCOB-T), university students (ALCOB-U), K-12 learners (ALCOB-L), Entrepreneurs' Committee (ALCOB-EC), Supporters (ALCOB-S).

Approved as APEC HRDWG endorsed project in 2003, ALCoB teachers, learners, entrepreneurs, scholars, experts, and education administrators aim to bridge the digital divide in the APEC region. Its diverse activities in international exchange and education collaboration are grounded in the spirit of Autonomy, Understanding, Cooperation and Volunteerism.

Currently about 5,700 ALCoB members are committed to achieve the vision of realizing systematic education innovation and shared prosperity through a learning community in Asia Pacific region.









♠ Activities of ALCoB for Future Prosperity

