

The 13th International Symposium on Advances
in Technology Education



ISATE 2019

**Engineering Education
for Sustainable Development
in the 21st Century**

17-20 September 2019, Shunan City

ISATE 2019
3rd Joint OC & TPC Meeting
Sep. 17, 2019

Meeting Agenda and Rundown

Agenda

1. Updates on ISATE 2019 Program Arrangement
2. Paper Allocation and Registration Status
3. ISATE 2020 Preparation (Presented by TUAS, Finland)
4. AoB

After the Meeting

1. Souvenir Presentation
2. Group Photo-taking
3. Lunch for OC & TPC Members

1. Updates on ISATE 2019 Program Arrangement

ISATE2019 Main Theme and Sub-theme

▪ Main Theme

Engineering Education for Sustainable Development in the 21st Century

▪ Sub-theme

1



EdTech for the Future

- Education Technology
- Teaching Tools
- Learning Style
- Life-long Learning
- etc.

2



Pedagogy for the Contemporary Learner

- Future-oriented learning and Teaching
- Curriculum Design
- Pedagogy for Modern Learners
- The Role of Teachers
- etc.

3



Developing Learning Outcomes for Sustainable Development

- Competencies and Outcomes
- Cross-Sectoral Capacity
- Assessment of Learning
- Teaching/Learning for the Future
- etc.

4



Partnership and Collaboration in Engineering Education

- Industry Partnership
- Social Collaboration
- Cross Cultural Experience
- Teacher and Student Exchange
- etc.

ISATE 2019 Main Activities

- Plenary Speakers 4
- Institutional Speakers 4
- Workshops 4
- Invited Lectures 2
- Parallel Sessions 117

= 131

ISATE 2019 Program



September 17-20, 2019

	September 17th, 2019 DAY 1	September 18th, 2019 DAY 2	September 19th, 2019 DAY 3	September 20th, 2019 DAY 4	
08:30					08:30
09:00				Tokuyama Station 8:50	09:00
09:30	OC & TPC MTG B-1 / 9:30~11:00	Institutional Presentation 1 ~ 4 Hall / 9:30~10:40	Parallel Session 2 B-1~5,3-2 / 9:30~11:00	Factory tour of Tokuyama Corporation 9:00~10:30	09:30
10:00					10:00
10:30		Tea Break Hall Lobby / 10:40~11:10	Tea Break Basement & 3rd floor / 11:00~11:10	Route 1 To the East Hiroshima Area 10:30~18:00	10:30
11:00	OC & TPC Lunch B-1 / 11:00~12:30	Plenary Session 3, 4 Hall / 11:10~12:10	Parallel Session 3 B-1~5,3-2 / 11:10~12:40		Route 2 To the West Shimane Area 10:30~18:00
11:30		Lunch Hall Lobby / 12:10~13:30	Lunch Hall Lobby / 12:40~14:00	CANCELED	
12:00	Briefing for MC, Session chair, WS chair B-4 / 12:30~13:00	Parallel Session 1 B-1~5,3-2 / 13:30~15:00	Parallel Session 4 B-1~5,3-2 / 14:00~15:30		12:00
12:30	Registration Open	Tea Break Basement & 3rd floor / 15:00~15:30	Tea Break Basement & 3rd floor / 15:30~15:40	12:30	
13:00	Registration Open	Workshop 1 ~ 4 B-1~2,4,3-2 / 15:30~17:00	Parallel Session 5 B-1~5,3-2 / 15:40~17:10	13:00	
13:30	Registration Open	Invited Lecture 1, 2 B-5 / 15:30~17:00	Proceed to Closing Ceremony 17:10~17:40	13:30	
14:00	Opening Ceremony Hall / 14:00~14:30	Proceed to Banquet 17:00~18:30	Closing Ceremony Hall / 17:40~18:05	14:00	
14:30	Plenary Session 1, 2 Hall / 14:30~15:30	Banquet Toishi Kalkan / 18:30~20:30		14:30	
15:00	Proceed to Welcome Reception 15:30~18:00			15:00	
15:30	Welcome Reception Hall Lobby / 16:00~17:00			15:30	
16:00				16:00	
16:30				16:30	
17:00				17:00	
17:30				17:30	
18:00				18:00	
18:30				Hiroshima Station 18:00	18:30
19:00				Kokura Station 18:00	19:00
19:30	Night Tour 19:30~21:00				19:30
20:00					20:00

Transportation to the Venue (Day 1 ~ 3)

Departure Time (Tokuyama Station ➡ Symposium Venue):

Day 1 (17th Sept.)

11:45 12:15

12:30 12:45

13:00 13:30

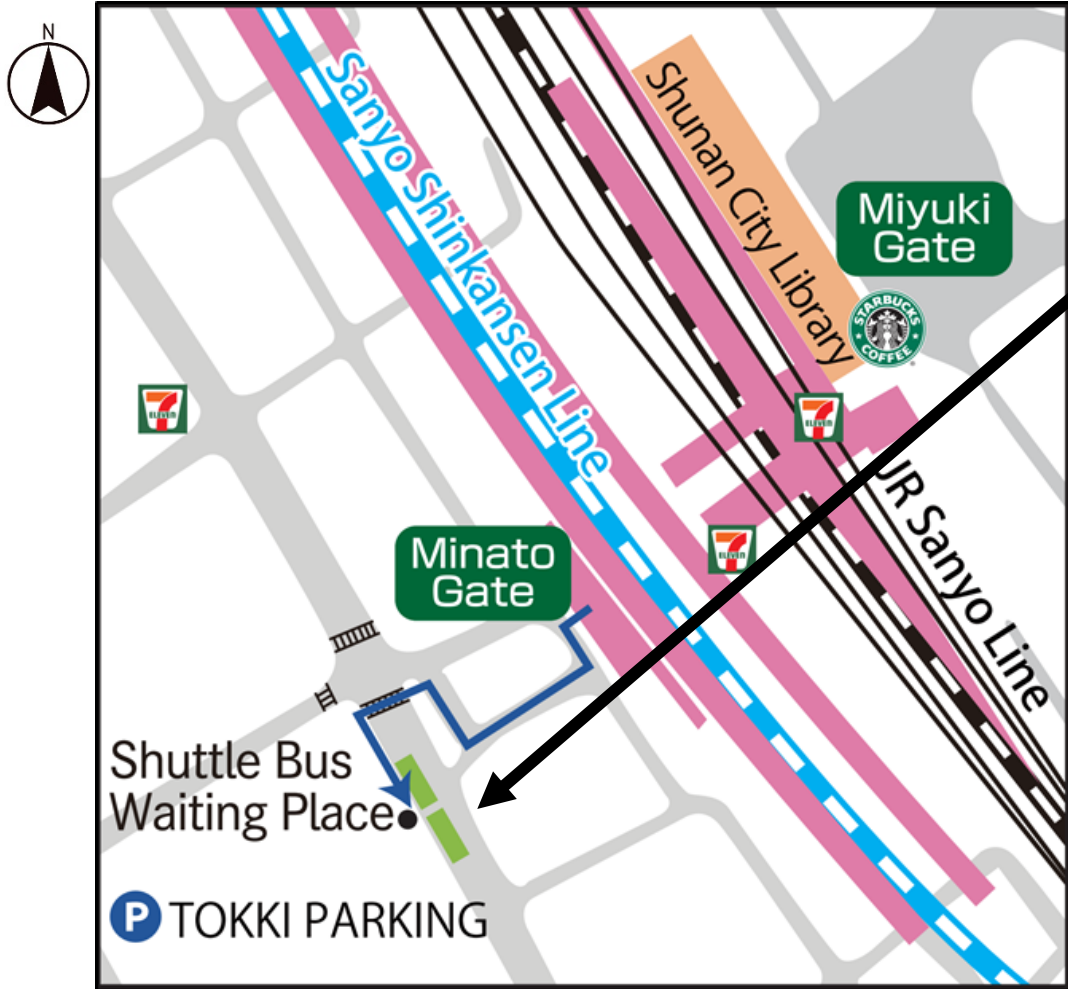
Day 2 (18th Sept.)

8:40 9:00 9:10

Day 3 (19th Sept.)

8:40 9:00 9:10

Transportation to the venue (Day 1 ~ 3)



- Shuttle buses are available at Minato Gate of Tokuyama Station.
- 5 mins by taxi.
- 20 mins on foot.
- 100 yen buses are also available Miyuki Gate of Tokuyama Station.



Shunanshi-Bunka-Kaikan

Address: Kōenku-5854-51 Tokuyama, Shunan, Yamaguchi 745-0851₉

Transportation to Tokuyama St. and Banquet



Day 1 (17th Sept.)

17:15 17:45

Day 2 (18th Sept.)

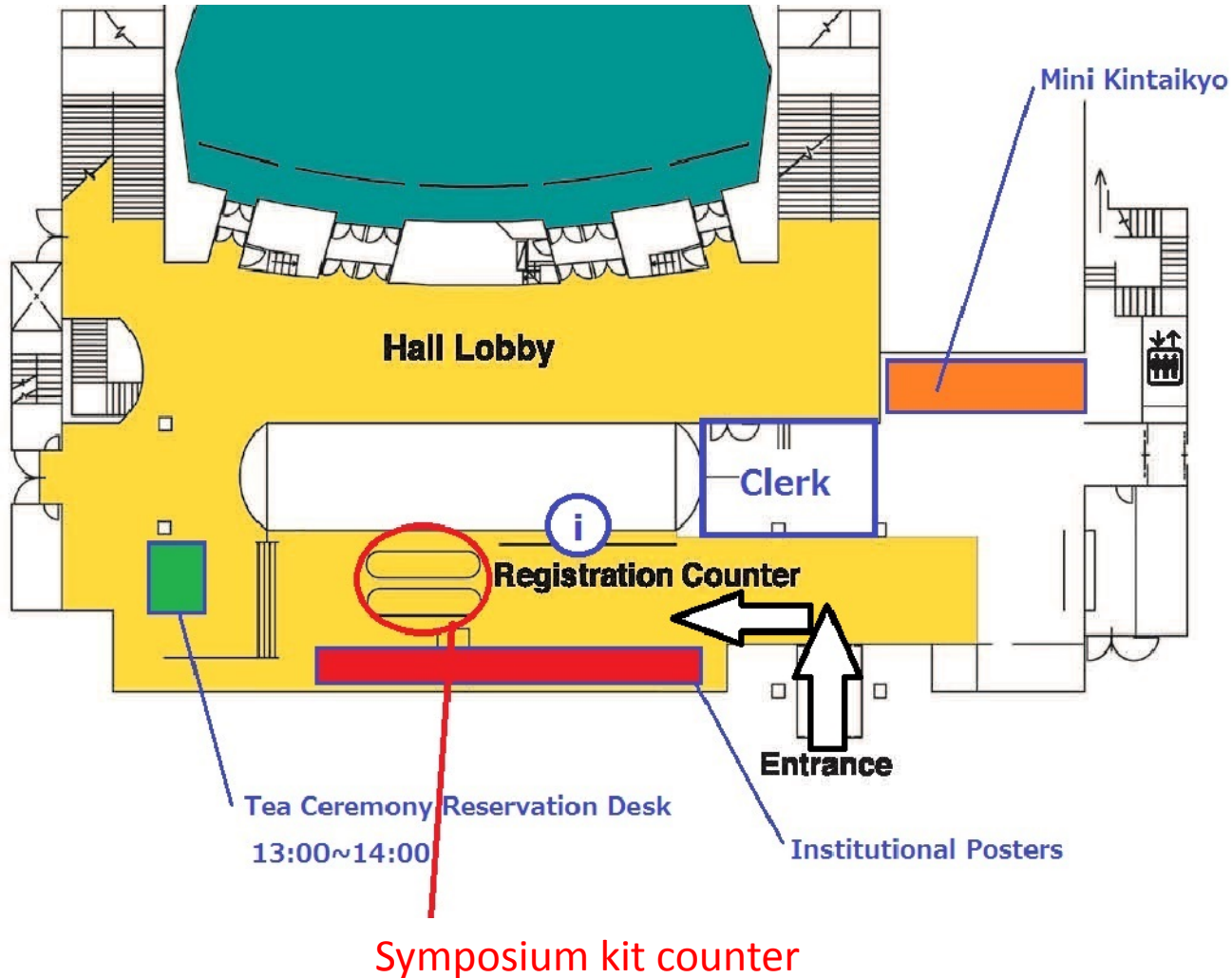
17:20 17:30

Day 3 (19th Sept.)

18:00 18:15
18:30
18:45 19:00

Registration & Information Desk

Symposium kit will be distributed to the participants at the symposium kit counters.



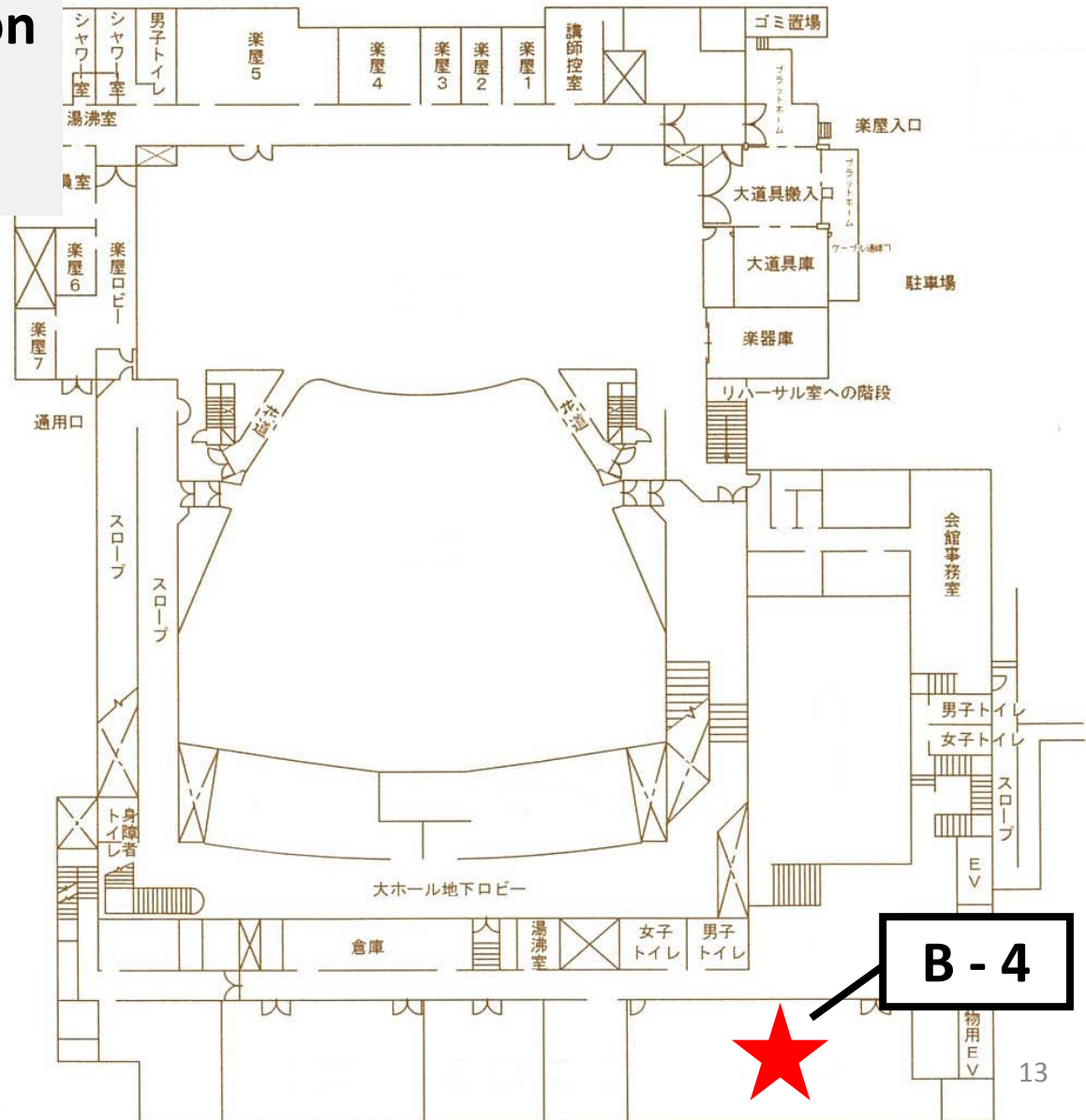
DAY 1: September 17th, 2019

TIME	DURATION	MAIN PROGRAM	VENUE
9:30 ~ 11:00	90 mins	OC/TPC MTG	B-①
11:00 ~ 12:30	90 mins	OC/TPC Lunch	B-①
12:30 ~ 13:00	30 mins	Briefing for MC, Session chair and WS chair	B - ④
Open from 13:00 ~		Registration	Lobby
14:00 ~ 14:30	30 mins	Opening Ceremony	Hall
14:30 ~ 15:30	60 mins	Plenary Session 1: Japan	Hall
		Plenary Session 2: Singapore	
15:30 ~ 16:00	30 mins	Proceed to Welcome Reception	
16:00 ~ 17:00	60 mins	Welcome Reception	Hall Lobby
19:30 ~ 21:00	90 mins	Night Tour	

Day 1 Program

Basement

Briefing for MC, Session
chair and WS chair
12:30~13:00



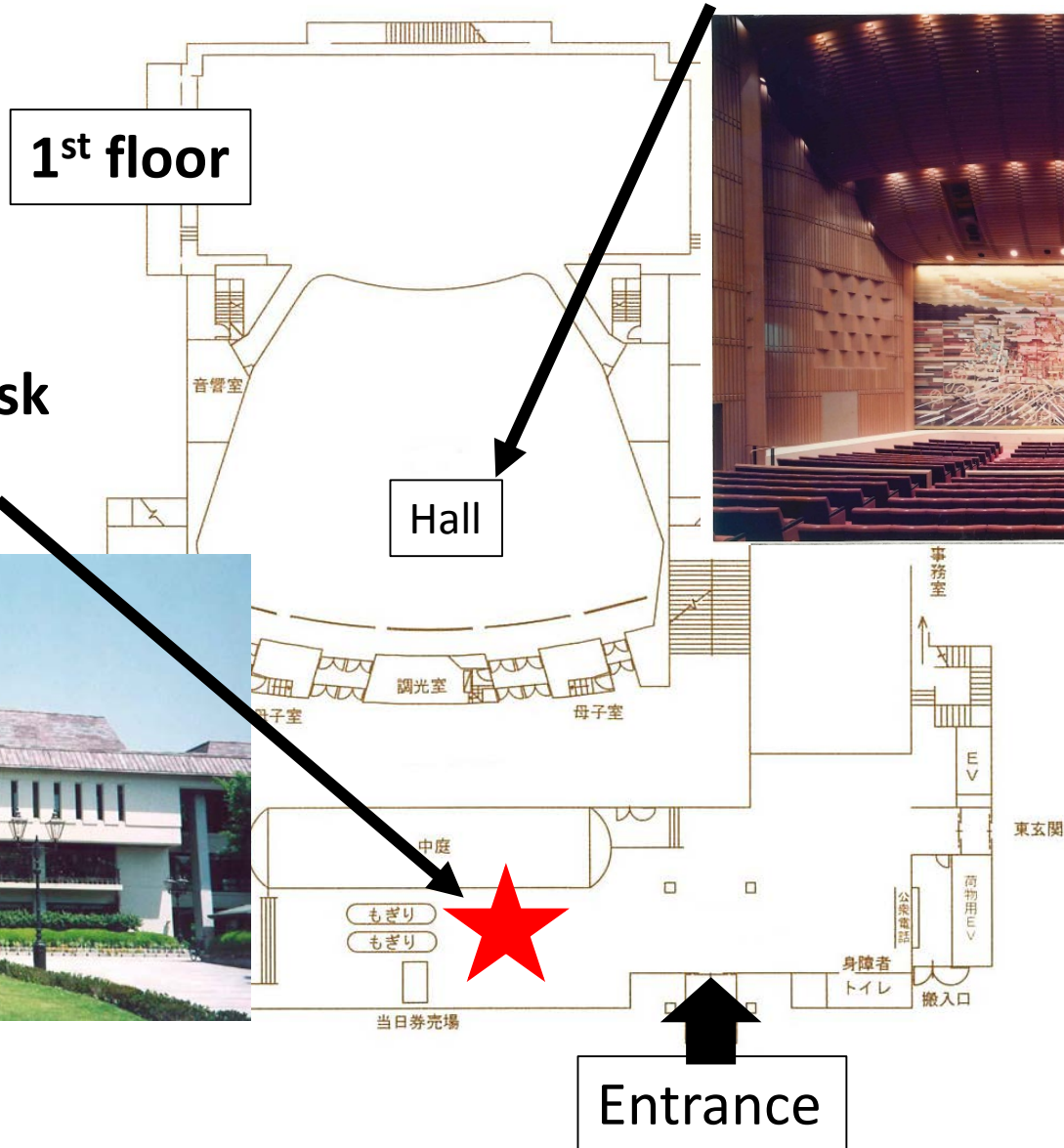
B - 4



Day 1 Program

Opening Ceremony/ Plenary Session
14:00~15:30

Registration &
Information Desk
13:00~



Day 1 Program Opening Ceremony

1. Welcome Address by

- Dr. Isao Taniguchi (NIT, KOSEN, Japan)
- Mr. Clarence Ti (NP, Singapore)
- Dr. LIU Sai Lok, Eric (VTC, Hong Kong)

Day 1 Program Plenary Session 1, 2

Plenary Session 1

- Mr. Koichi Shinpo
NIT, Japan



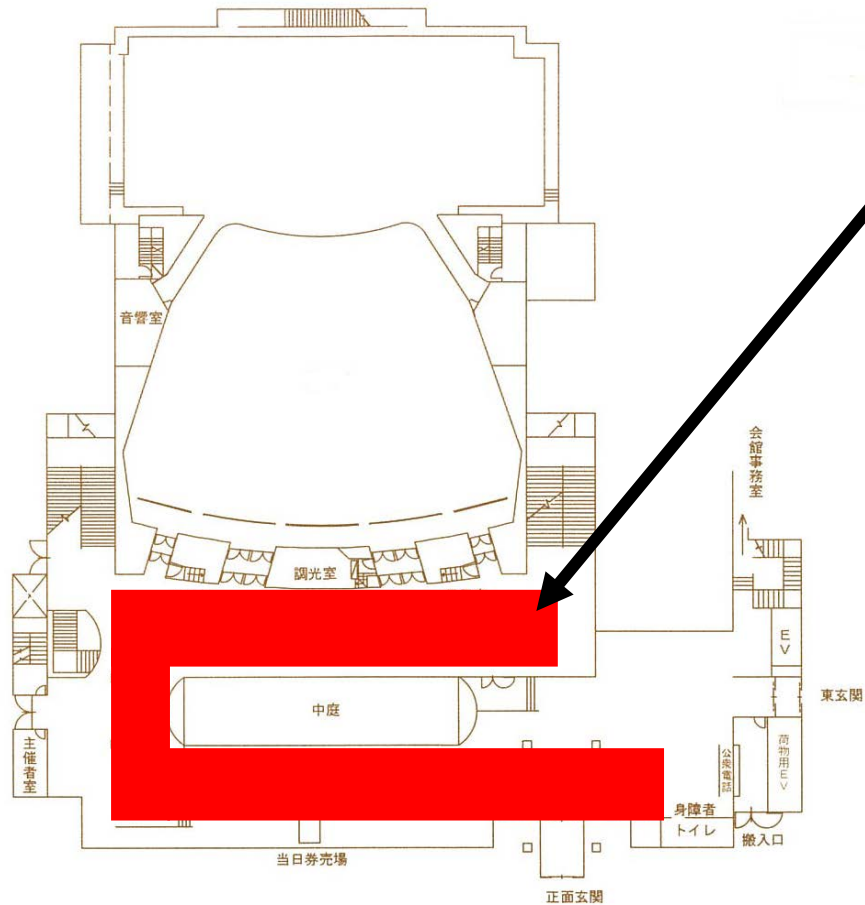
Plenary Session 2

- Mr. Loh Yew Chiong
SP, Singapore



Day 1 Program

Welcome Reception
16:00~17:00



Hall Lobby 1st floor

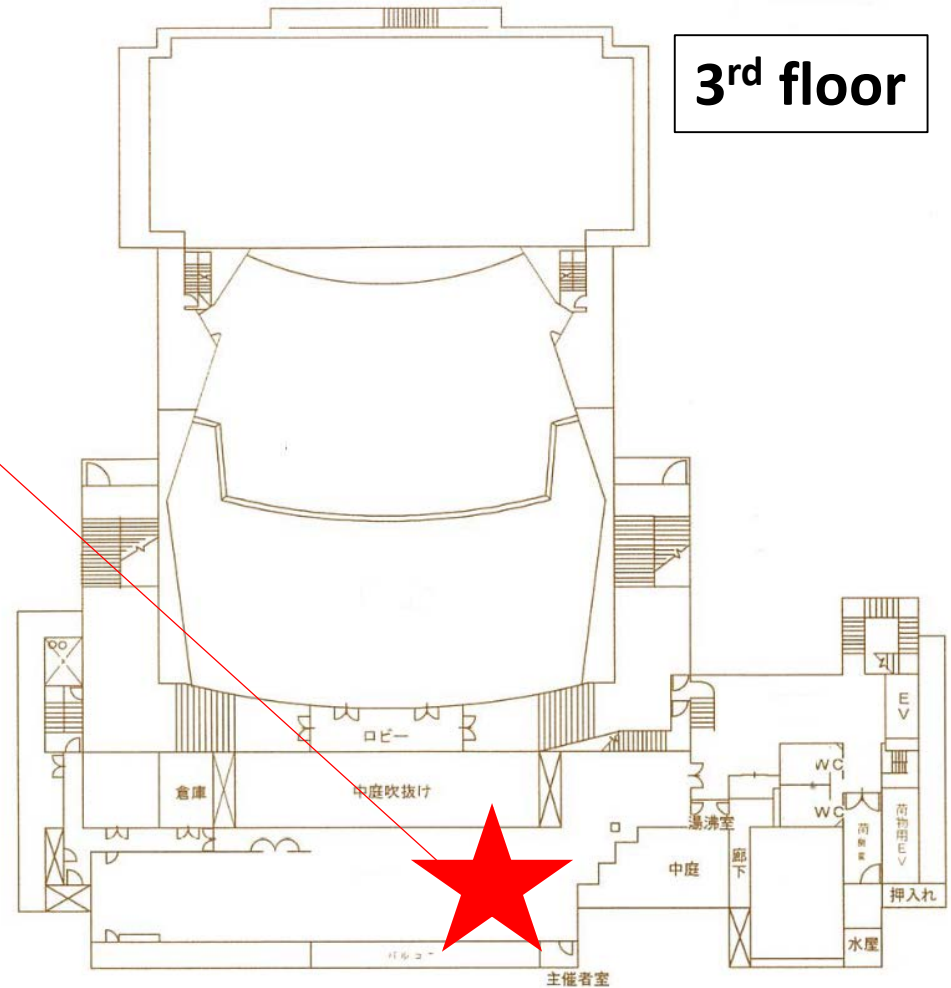


- Speech by Dr. Kazuhito Amanai, NIT(KOSEN), Tokuyama College
- Band music
- Snacks and drinks

Day 1 Program

Japanese tea ceremony (first come first served)

▪ 16:00 ~ 17:00
(max. 50 participants)



※Reservation will be available at the tea ceremony counter.

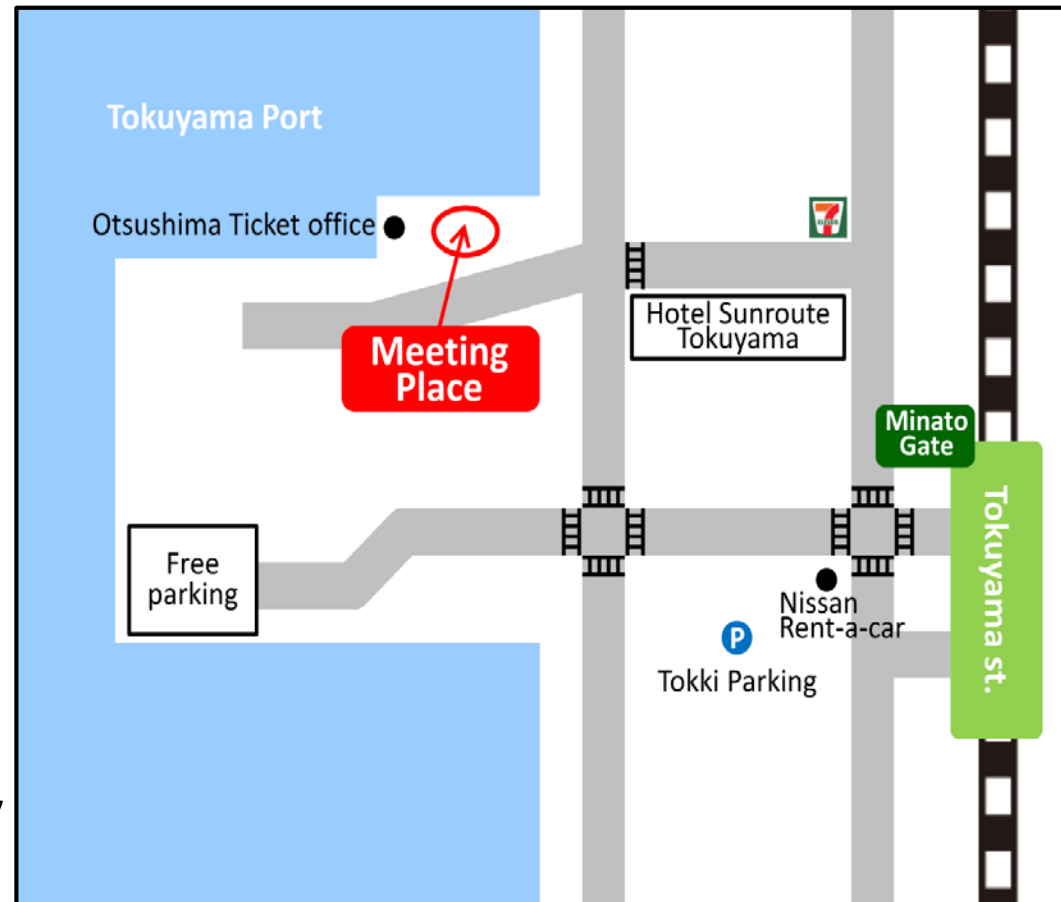
Day 1 Program

Night Tour (Optional at no cost)

19:30~21:00



About 90 participants



- Night cruise at Tokuyama Bay
- Snacks & drinks

Meeting place

3-mins walk from Tokuyama Station

9-1 Chikkōchō, Shunan, Yamaguchi 745-0025

DAY 2: September 18th, 2019

TIME	DURATION	MAIN PROGRAM		VENUE
Open from 9:00 ~		Registration		Lobby
9:30 ~ 10:40	70 mins	Institutional Presentation 1: Japan, 2: Singapore, 3: Hong Kong, 4: Finland		Hall
10:40 ~ 11:10	30 mins	Tea Break		
11:10 ~ 12:10	60 mins	Plenary Session 3: Japan		Hall
		Plenary Session 4: Hong Kong		
12:10 ~ 13:30	80 mins	Lunch		Hall Lobby
13:30 ~ 15:00	90 mins	Parallel Session 1 (1-6×6)		B - ① ~ ⑤, 3 - ②
15:00 ~ 15:30	30 mins	Tea Break		
15:30 ~ 17:00	90 mins	Workshop Theme 1 ~ 4	Invited Lecture 1: Japan 2: Singapore	B - ①, ②, ④, 3 - ②, B - ⑤
17:00 ~ 18:30	60 mins	Proceed to Banquet		
18:30 ~ 20:30	120 mins	Banquet		Toishi Kaikan

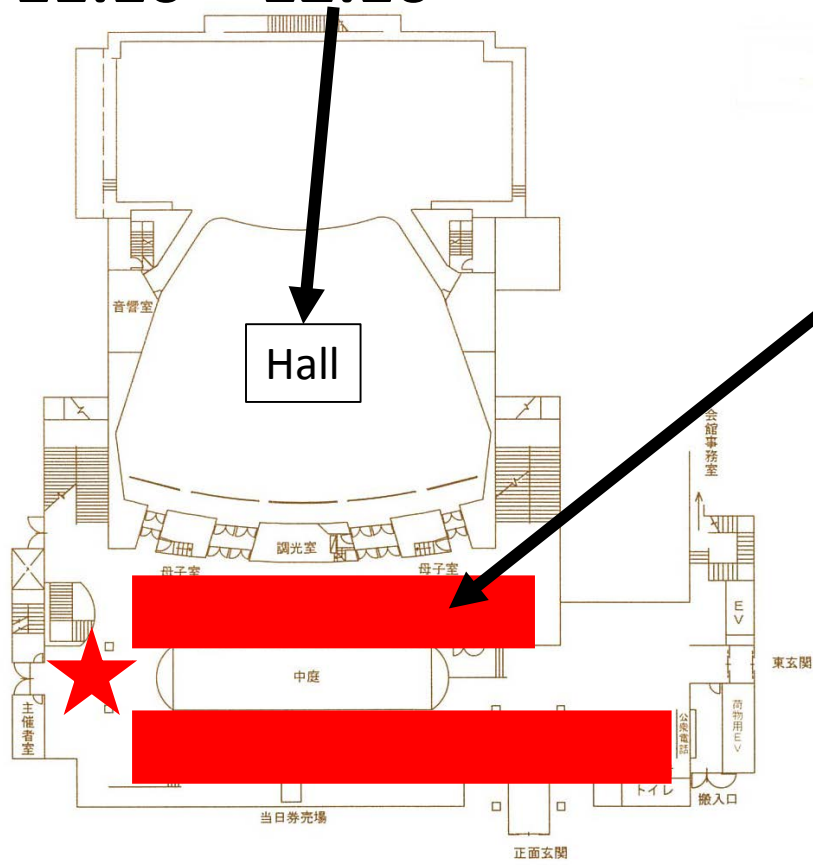
Day 2 Program

Institutional Presentation

9:30 ~ 10:40

Plenary Session

11:10 ~ 12:10



<<Lunch>>

Time: 12:10 ~ 13:30 (80 mins)

Buffet Style & Bento box

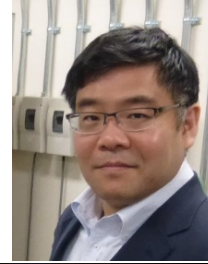


Day 2 Institutional Presentation

Institutional Presentation

1) Dr. Koji Takamura

NIT (KOSEN), Japan



1) Ms. Loh Chuu Yi

NYP, Singapore



3) Ir SI Kit, Peter

IVE, Hong Kong



4) Dr. Juha Kontio

TUAS, Finland



Day 2 Plenary Session 3, 4

Plenary Session 3

- Dr. Ken Endo (Xiborg Co., Ltd.)



Plenary Session 4

- Mr. Lee Kam Fat, Jonathan (VTC, Hong Kong)



Day 2 Workshop & Invited Lecture

Workshop 1~4

- Ms. Erika Foo & Dr. Kannathal Natarajan (RP&NP, Singapore)
- Ms. Meiju Keinänen (TUAS, Finland)
- Mr. Curtis Revis & Mr. Yasuhiro Kuramashi (NIT, Japan)
- Ms LAM Yan Yan, Mavis & Mr Winston Yeung

Invited Lecture 1, 2

- Dr. Takabumi Fukuda (NUT, Japan)
- Dr. Tony Halim (TP, Singapore)

Day 2 Program

Banquet at Toishi-Kaikan 18:30 ~ 20:30

- Speech by Dr. Kenji Higashida, NIT, KOSEN, Japan
- Speech by Mr. Aw Tuan Kee, Temasek Polytechnic, Singapore
- Speech by Dr Eric Liu, VTC, Hong Kong
- Toasting Speech by Dr. Hidenori Isami, NIT (KOSEN), Tokuyama College



Shuttle bus is available from the symposium venue.

Day 2 Program

Banquet at Toishi-Kaikan

Traditional Japanese performance

**Karaoke Competition
2019**



DAY 3: September 19th, 2019**※The venue opens at 9:00.**

TIME	DURATION	MAIN PROGRAM	VENUE
Open from 9:00 ~		Registration	Lobby
9:30 ~ 11:00	90 mins	Parallel Session 2 (1-6×6)	B - ① ~ ⑤ 3 - ②
11:00 ~ 11:10	10 mins	Tea Break	
11:10 ~ 12:40	90 mins	Parallel Session 3 (1-6×6)	B - ① ~ ⑤ 3 - ②
12:40 ~ 14:00	80 mins	Lunch	Hall Lobby
14:00 ~ 15:30	90 mins	Parallel Session 4 (1-6×6)	B - ① ~ ⑤ 3 - ②
15:30 ~ 15:40	10 mins	Tea Break	
15:40 ~ 17:10	90 mins	Parallel Session 5 (1-6×6)	B - ① ~ ⑤ 3 - ②
17:10 ~ 17:40	30 mins	Proceed to Closing Ceremony	
17:40 ~ 18:05	25 mins	Closing Ceremony	Hall

Day 3 Program

Day 3 Closing Ceremony

Closing speech by

- Dr. Hidenori Isami (NIT, Tokuyama College)
- Dr. Kazuhito Amanai (NIT, Tokuyama College)

ISATE 2020 Presentation

- Dr. Juha Kontio & Dr. Janne Roslöf (TUAS, Finland)

DAY 4: September 20th, 2019

TIME	Technical Visit (Optional)	
8:50	Tokuyama Station	
9:00~10:30	Factory tour of Tokuyama Corporation	
10:30~18:00	Route 1 To the East Hiroshima Area	Route 2 CANCELED
18:00	Hiroshima Station	Kokura Station

Day 4 Program

Technical Visit Route 1

Hiroshima Area

Visiting Tokuyama Corporation in Tokuyama, and traveling famous sightseeing places in east side of Yamaguchi.



Gathering time and location

8:50 Tokuyama Station

Visit end time (estimate) and location

18:00 *Hiroshima Station
20:00 Tokuyama Station

2. Paper Allocation and Registration Status

ISATE 2019 Participants

Institution	No. of Participants
National Institute of Technology, Japan (NIT)	97
Nagaoka University of Technology & Toyohashi University of Technology	6
Nanyang Polytechnic, Singapore (NYP)	9
Ngee Ann Polytechnic, Singapore (NP)	7
Republic Polytechnic, Singapore (RP)	8
Singapore Polytechnic, Singapore (SP)	9
Temasek Polytechnic, Singapore (TP)	9
Vocational Training Council, Hong Kong (VTC)	16
Turku University of Applied Science, Finland	5
King Mongkut's Institute of Technology Ladkrabang, Thailand	0
Others	2
Total:	168

Number of Papers to be presented

Institution	No. of Presented Paper
National Institute of Technology (KOSEN), Japan (NIT)	79
Nanyang Polytechnic, Singapore (NYP)	7
Ngee Ann Polytechnic, Singapore (NP)	6
Republic Polytechnic, Singapore (RP)	6
Singapore Polytechnic, Singapore (SP)	7
Temasek Polytechnic, Singapore (TP)	6
Vocational Training Council, Hong Kong (VTC)	13
Turku University of Applied Sciences, Finland	6
King Mongkut's Institute of Technology Ladkraband, Thailand	0
Others (China, Germany, UK, Mexico)	0
Total:	130

Parallel Session Allocation

Sub-theme	Total Papers
1. EdTech for the Future	31
2. Pedagogy for the Contemporary Learner	32
3. Learning Outcomes for Sustainable Development	28
4. Partnership and Collaboration in Engineering Education	26
Total:	117

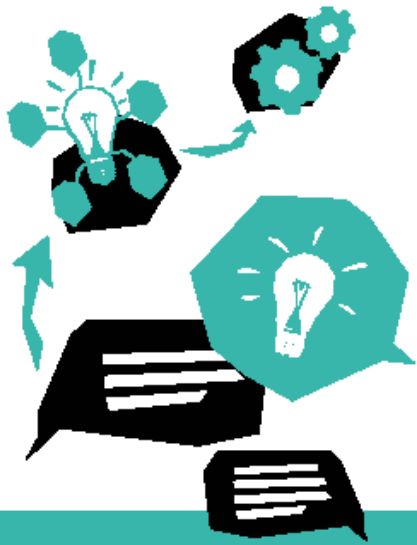
ISATE 2020 Presentation

WELCOME TO ISATE 2020 @ TUAS

14th International Symposium of Advances in Technology Education
www.isate2020.fi



International Partnerships in Educational Innovations



innopeda®

cdio
CONCEIVE DESIGN IMPLEMENT OPERATE™



Structures

- Flexibility
- Learning with industry
- Multidisciplinary
- Innovative learning environments

Learner

- Strong intrinsic motivation
- Individual study paths to build their expertise

Teacher

- Practical expertise connected with coaching abilities
- Strong connections to working life

Culture

- Renewed study and learning culture
- Requires more
- Community
- Entrepreneurial

ISATE 2020: Educating Future Innovators

The subthemes include:

- Active Learning Environments
- Collaboration between Educational Institutions and Industry
- Continuous Improvement and Quality Enhancement
- Pedagogy for Future Professionals
- Sustainable Development in Education

Call for Papers is available at: www.isate2020.fi

Contribution Categories

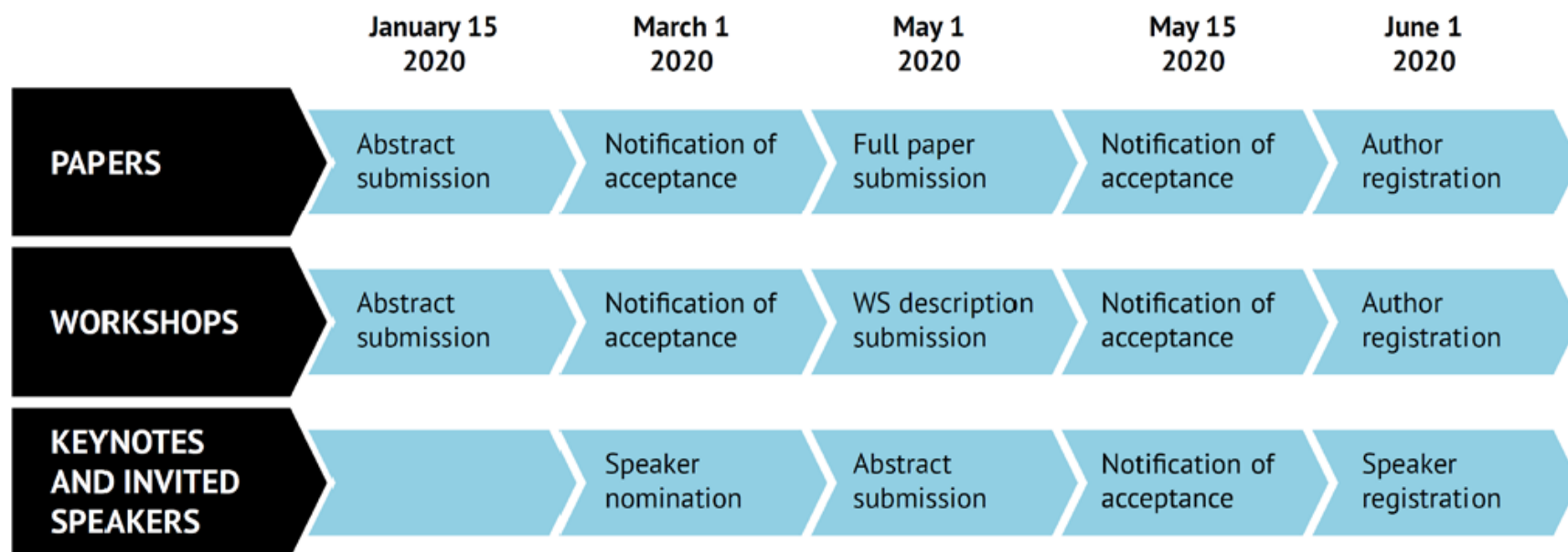
- **Papers:**
 - 1) submission of an abstract of 300-350 words
 - 2) submission of a full-length paper (6 pages) according to a provided template
- **Workshops:**
 - 1) submission of an abstract of 300-350 words describing the idea of the workshop
 - 2) submission of a workshop description (2 pages) according to a provided template
- **Keynotes and invited presentations:**

The speaker invitations will be based on nominations of the member institutions.

Call for Papers is available at: www.isate2020.fi



Important Dates and Deadlines



Call for Papers is available at: www.isate2020.fi

Programme Overview

Tue 18.8.	Wed 19.8.	Thu 20.8.	Fri 21.8.
ARRIVAL DAY	DAY 1	DAY 2	DAY 3
<p>Committee meetings</p> <hr/> <p>19.00 Welcome reception (Aboa Vetus & Ars Nova)</p>	<p>Opening ceremony</p> <hr/> <p>Keynotes</p> <hr/> <p>Parallel sessions & workshops</p> <hr/> <p>19.00 Conference dinner (Naantalin Kaivohuone)</p>	<p>Institutional presentations</p> <hr/> <p>Parallel sessions & workshops</p> <hr/> <p>Closing ceremony</p> <hr/> <p>19.00 Sauna event (separate fee, limited quota)</p>	<p>(optional, separate fee)</p> <p>Innopeda Seminar (full day program)</p> <p>NOTICE! The Innopeda Seminar is on a cruiseship, that will return to Port of Turku late in the evening. Travel plans should be made for the following day.</p> <hr/> <p>Possible other tours & visits</p>

Call for Papers is available at: www.isate2020.fi

Registration and Fees

Full early conference registration fee	420 €
Full conference registration fee (after June 1, 2020)	500 €
Accompanying person registration fee Includes: Welcome reception and Conference dinner	100 €

Registration opens on December 1, 2019 at: www.isate2020.fi

TURKU AMK

TURKU UNIVERSITY OF
APPLIED SCIENCES



Kiitos!

Thank you! Grazie! Tack! Shukran! Merci! Danke! Dank U! Paldies! Takk!
Gracias! Arigato! Efharisto! спасибо! Hvala! Dziękuję! Obrigado! Aitäh! Tak!
Köszönöm! Sağol! хвала! Асіў! Děkuji! Mulțumesc! 谢谢! благодаря! Cảm ơn
bạn! 고맙습니다!

The 13th International Symposium on Advances
in Technology Education



ISATE 2019

**Engineering Education
for Sustainable Development
in the 21st Century**

17-20 September 2019, Shunan City