

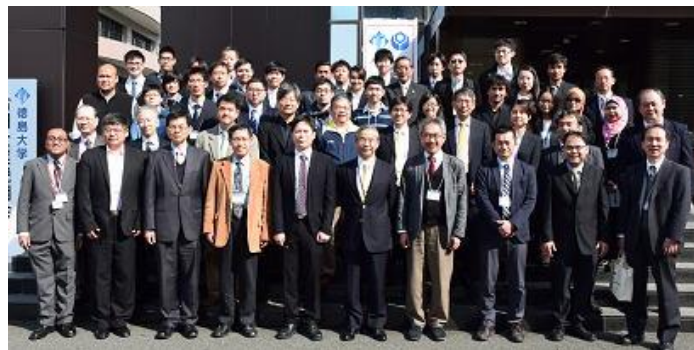


**2<sup>nd</sup> International Forum on Advanced Technologies**  
**IFAT2016**

Sponsored by  
**Tokushima University**

Co-Sponsored by  
**National Taiwan University of Science & Technology**

Supported by  
**The Iron and Steel Institute of Japan**  
Division of Process Evaluation and Material  
Characterization  
**The Society of Chemical Engineers, Japan**  
Energy Panel  
Trace Element Section  
**IEEE CASS Shikoku Chapter**  
**The Society of Materials Science, Japan Shikoku Branch**  
**Chushikoku Thermal Science Society, Japan**  
**The Japan Society of Mechanical Engineers, Japan**  
**The Japan Society of Mechanical Engineers**  
**Chugoku-Shikoku Branch**  
**The Heat Transfer Society of Japan, Japan**



**March 7<sup>th</sup>-8<sup>th</sup>, 2016**

**Venue : Tokushima University**

## ***Message from the Chairman***



Tokushima University and National Taiwan University of Science and Technology have established “Tokushima University Education and Research Center at Taiwan Tech” in National Taiwan University of Science and Technology on June 26<sup>th</sup>, 2014. As one of the commemorate events, the First International Forum on Advanced Technologies: IFAT2015 was held in Tokushima by both Universities on June 26<sup>th</sup>, 2014. After the success of IFAT2015, the IFAT community is honored to host the Second International Forum on Advanced Technologies: IFAT2016 in Tokushima. The scope of this forum includes a wide range of technologies which cover the following topics:

- Nanotechnology and Advanced Materials
- Advanced Measurement and Plasma Technologies
- Advances in Processing and Manufacture of Electronic and Electrical Components
- Optical Engineering and Imaging Sensing Techniques
- Deteriorations and Retrofitting Techniques for Civil Engineering Structures

On behalf of the IFAT2016 committee, we warmly invite you, scientists, engineers or technicians, students to take part in this forum with your enthusiasm to create innovative technologies.

We are looking forward to seeing you in Tokushima!

IFAT2016 Chairman

A handwritten signature in black ink, reading "Yasuhiko Kawamura". The signature is written in a cursive style with a long horizontal flourish at the end.

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Yasuhiko Kawamura  
Dean, Faculty of Engineering  
Tokushima University

## March 7<sup>th</sup> Timetable

**Keynote Speech K01 Prof. Deog Hee Doh (Korea Maritime & Ocean University)**

**Keynote Speech K02 Prof. Jinn P. Chu (National Taiwan University of Science and Technology)**

**Session 1 Nanotechnology and Advanced Materials**

**Organized by Prof. Hitoshi Takagi and Prof. Jem Kun Chen**

**Session 2 Advanced Measurement and Plasma Technologies 1**

**Organized by Prof. Fang-Jung Shiou and Prof. Yoshihiro Deguchi**

**Session 3 Advances in Processing and Manufacture of Electronic and Electrical Components**

**Organized by Prof. Masaki Hashizume and Prof. Chia-Yu Yao**

**Poster Session 1**

**Banquet**

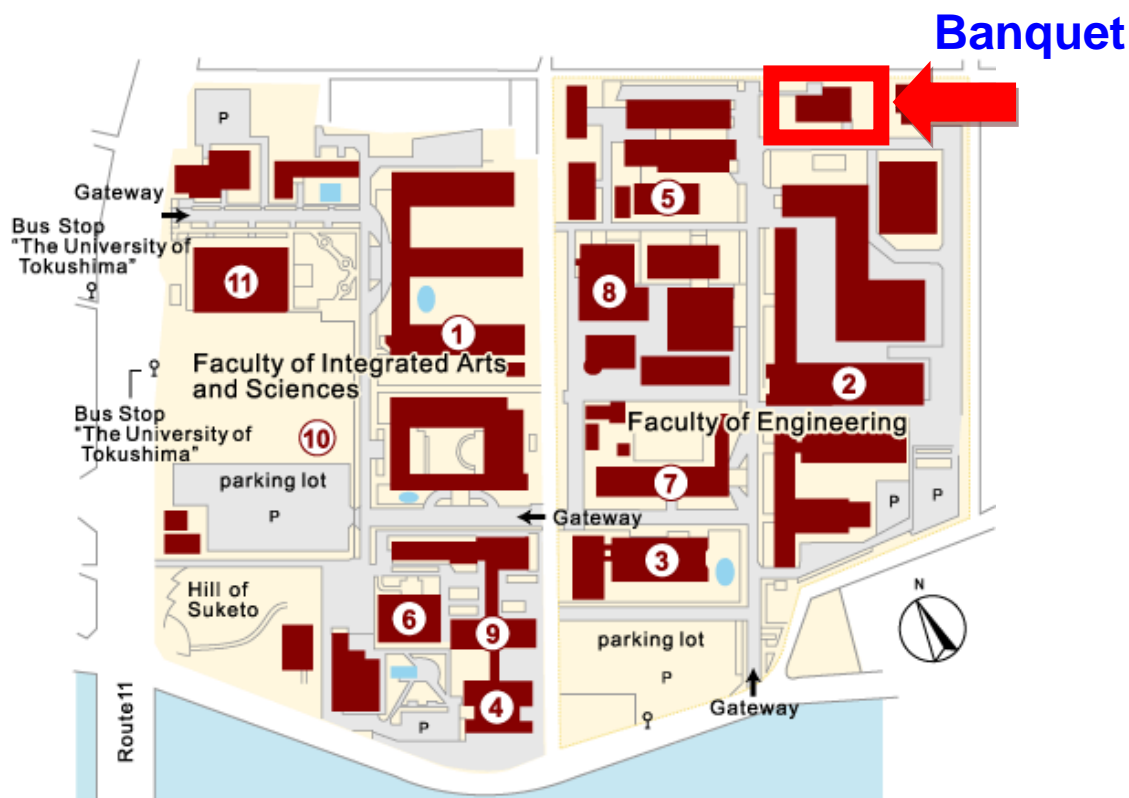
Time	Program/Room		
	Room A		
13:00-13:10	Opening Prof. Yasuhiko Kawamura		
13:10-13:40	Keynote Speech K01 Chairperson: Prof. Hashizume and Prof. Yao <b>Speaker: Prof. Deog Hee Doh</b>		
13:40-14:10	Keynote Speech K02 Chairperson: Prof. Yao and Prof. Hashizume <b>Speaker: Prof. Jinn P. Chu</b>		
14:10-14:30	Coffee		
	Room A	Room B	Room C
14:30-16:30	Session 1  Chairperson: Prof. Jem Kun Chen Prof. Mikito Yasuzawa  (invited) I1-1 Jem-Kun Chen (invited) I1-2 Shao-Ju Shih (invited) I1-3 Mikito Yasuzawa O1-1 Hitoshi Takagi O1-2 Chen-Hao Wang	Session 2  Chairperson: Prof. Tetsuya Suekane Prof. Jiping Liu  (invited) I2-1 Chen-Chia Chou (invited) I2-2 Riichi Murakami (invited) I2-3 Atsushi Mori O2-1 Takahiro Kamimoto O2-2 Krunal G. Girase O2-3 Min-Gyu Jeon	Session 3  Chairperson: Prof. Masaki Hashizume Prof. Chia-Yu Yao  O3-1 Masaki Hashizume (invited) I3-1 Chia-Yu Yao (invited) I3-2 Shyue-Kung Lu <b>O3-2 Shih-Hsiang Hsu</b> (invited) I3-3 Liang-chiun Chao
16:30-16:50	Coffee		
16:50-18:00	Poster Session 1		
	Second Cafeteria		
18:20-20:20	Banquet		

## **March 7<sup>th</sup> 18:20-20:20 Banquet**

All participants are welcome to attend the IFAT2016 banquet (free of charge).  
“AWA-ODORI (Awa Dances) ” <sup>1)</sup> is demonstrated by AWA-ODORI dancers of Tokushima University. All participants can experience “AWA-ODORI”. Best dancers among the IFAT2016 participants are awarded according to their ODORI (dancing) performance.



<sup>1)</sup> Tokushima Prefecture is widely known for Awa Odori, the leading dance festival in Japan.



**Supported by**

**International Center, Tokushima University**

**Japan International Cooperation Center KAKEHASHI Project**

## March 8<sup>th</sup> Timetable

**Keynote Speech K03 Prof. Yasuhiko Kawamura (Tokushima University)**

**Keynote Speech K04 Prof. Jiping Liu (Xi'an Jiaotong University)**

**Keynote Speech K05 Prof. Tetsuya Suekane (Tokyo Institute of Technology)**

**Keynote Speech K06 Prof. Kenichiro Takeishi (Tokushima Bunri University)**

**Session 4 Advanced Measurement and Plasma Technologies 2**

Organized by Prof. Yoshihiro Deguchi and Prof. Fang-Jung Shiou

**Session 5 Optical Engineering and Imaging Sensing Techniques**

Organized by Prof. Nobuo Goto and Prof. Shien-Kuei Liaw

**Session 6 Deteriorations and Retrofitting Techniques for Civil Engineering Structures**

Organized by Prof. Takao Ueda and Prof. Chien-Kuo Chiu

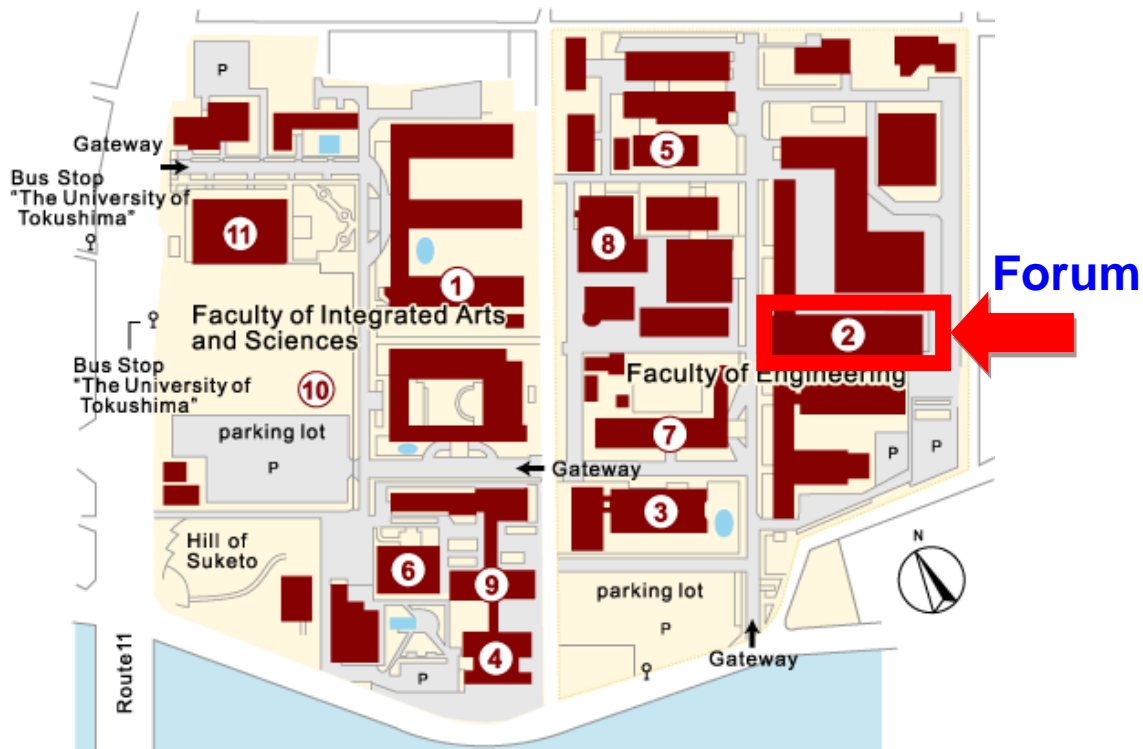
**Poster Session 2**

Time	Program/Room		
	Room A		
9:00-9:30	Keynote Speech K03 Chairperson: Prof. Goto and Prof. Liaw <b>Speaker: Prof. Yasuhiko Kawamura</b>		
9:30-10:00	Keynote Speech K04 Chairperson: Prof. Liaw and Prof. Goto <b>Speaker: Prof. Jiping Liu</b>		
10:00-10:20	Coffee		
	Room A	Room B	Room C
10:20-12:00	Session 4  Chairperson: Prof. Chen-Chia Chou Prof. Kenichiro Takeishi  (invited) I4-1 Fang-Jung Shiou (invited) I4-2 Nobuyuki Kawahara (invited) I4-3 Zhenzhen Wang O4-1 Yoshihiro Deguchi O4-2 Renwei Liu	Session 5  Chairperson: Prof. Shien-Kuei Liaw Prof. Nobuo Goto  (invited) I5-1 Masanobu Haraguchi (invited) I5-2 Shien-Kuei Liaw O5-1 Kuen-Tsair Lay O5-2 Che-Chou Shen	Session 6  Chairperson: Prof. Takao Ueda Prof. Chien-Kuo Chiu  O6-1 Takao Ueda (invited) I6-1 Chien-Kuo Chiu O6-2 Ryosuke Uzuoka (invited) I6-2 Chun-Tao Chen
12:00-13:20	Lunch (Board meeting Room C)		

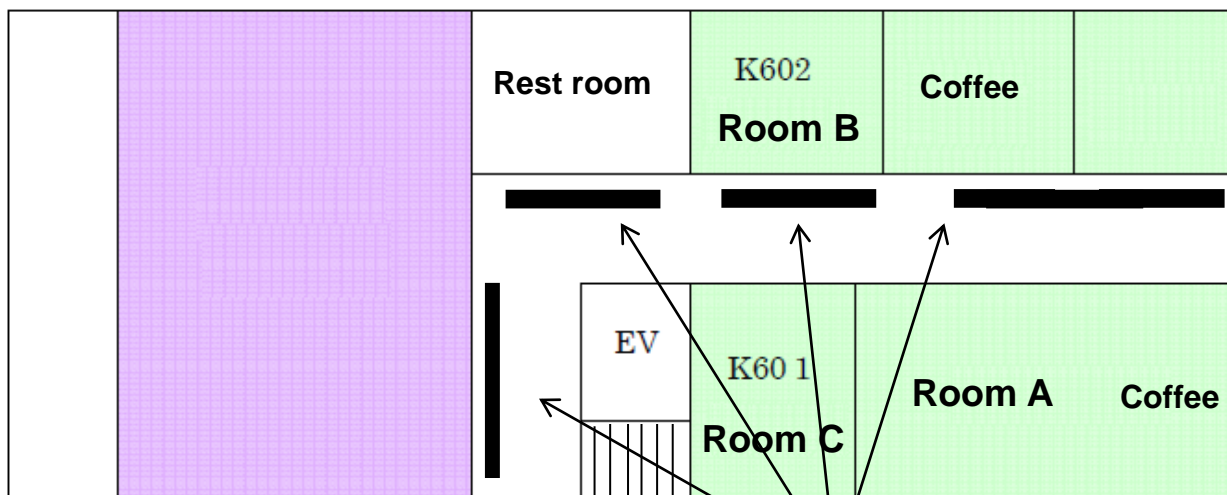
**2nd International Forum on Advanced Technologies**  
**March 7<sup>th</sup>-8<sup>th</sup>, 2016, Tokushima, Japan**

<b>Time</b>	<b>Program/Room</b>
	Room A
13:20-13:50	Keynote Speech K05 Chairperson: Prof Shiou and Prof. Deguchi <b>Speaker: Prof. Tetsuya Suekane</b>
13:50-14:20	Keynote Speech K06 Chairperson: Prof. Deguchi and Prof Shiou <b>Speaker: Prof. Kenichiro Takeishi</b>
14:20-14:30	Coffee
14:30-15:40	Poster Session 2
	Room A
15:45-16:00	Student Awards Closing Prof. Chia-Yu Yao

## Venue : Tokushima University



### Building ② 6F



## **IFAT2016 Organizing Committee**

### **Chairman**

**Yasuhiko Kawamura : Tokushima University**

### **Co-Chairman**

**Jinn P. Chu : National Taiwan University of Science & Technology**

### **Advisory Committee**

**Toshihiro Moriga : Tokushima University**

**Yoshihiro Deguchi : Tokushima University**

**Masaki Hashizume : Tokushima University**

**Hitoshi Takagi : Tokushima University**

**Ryosuke Uzuoka : Tokushima University**

**Takao Ueda : Tokushima University**

**Fuji Ren : Tokushima University**

**Mikito Yasuzawa : Tokushima University**

**Nobuo Goto : Tokushima University**

**Jin-Ping AO : Tokushima University**

**Pankaj Koinkar : Tokushima University**

**Chun-Tao Chen : National Taiwan University of Science & Technology**

**Fang-Jung Shiou : National Taiwan University of Science & Technology**

**Shih-Hsuan : Chiu National Taiwan University of Science & Technology**

**Shyue-Kung Lu : National Taiwan University of Science & Technology**

**Chien-Kuo Chiu : National Taiwan University of Science & Technology**

**Kuo-Hsin Yang : National Taiwan University of Science & Technology**

**Shien-Kuei Liaw : National Taiwan University of Science & Technology**

**Liang-Chiun Chao : National Taiwan University of Science & Technology**

**Ri-ichi Murakami : National Taiwan University of Science & Technology**