

8, 2021  
November

# International Forum Advanced Technology for Industry 4.0 IFATI4



<https://www-me.ait231.tokushima-u.ac.jp/labs/lplab/IFATI4/index.html>

**Date: Monday, November 8, 2021**

**Time: 12:40 - 21:40 (Japan Standard Time: JST)**

**4:40 - 13:40 (Central European Time: CET)**

**11:40 - 20:40 (China Standard Time: CST)**

**12:40 - 21:40 (Korea Standard Time: KST)**

**Venue: Online (URL will be announced later)**

► ***Sponsored by***

- Tokushima University, Japan

► ***Co-Sponsored by***

- JETRO Tokushima
- Central European Institute of Technology  
Brno University of Technology, Czech Republic
- Xi'an Jiaotong University, China
- Ocean University of China, China
- RIKEN Center for Advanced Photonics, Japan
- Korea Maritime and Ocean University, Republic of Korea

► ***Supported by***

- The Iron and Steel Institute of Japan  
Division of Process Evaluation and Material Characterization
- The Japan Society of Mechanical Engineers, Japan  
Chugoku-Shikoku Branch
- The Heat Transfer Society of Japan, Japan  
Chugoku-Shikoku Branch
- Japanese LIBS Community, Japan

21 November  
8, 2017

# International Forum Advanced Technology for Industry 4.0 IFATI4



<https://www-me.ait231.tokushima-u.ac.jp/labs/lplab/IFATI4/index.html>

## ► Schedule

JST&KST	CET	CST	ITEM	
12:40 - 12:50	4:40 - 4:50	11:40 - 11:50	Opening	
12:50 - 13:30	4:50 - 5:30	11:50 - 12:30	Keynote Speech 1	<b>Weixiong Chen</b>
13:30 - 14:00	5:30 - 6:00	12:30 - 13:00	Invited Speech 1	<b>Min-Gyu Jeon</b>
14:00 - 14:30	6:00 - 6:30	13:00 - 13:30	Invited Speech 2	<b>Ikuo Wakaida</b>
14:30 - 15:00	6:30 - 7:00	13:30 - 14:00	Invited Speech 3	<b>Jinjia Guo</b>
15:00 - 15:20	7:00 - 7:20	14:00 - 14:20	Break	
15:20 - 16:00	7:20 - 8:00	14:20 - 15:00	Keynote Speech 2	<b>Pavel Václavek</b>
16:00 - 16:30	8:00 - 8:30	15:00 - 15:30	Invited Speech 4	<b>Pavel Pořízka</b>
16:30 - 17:00	8:30 - 9:00	15:30 - 16:00	Invited Speech 5	<b>Zhenzhen Wang</b>
17:00 - 17:30	9:00 - 9:30	16:00 - 16:30	Invited Speech 6	<b>John Costello</b>
17:30 - 18:00	9:30 - 10:00	16:30 - 17:00	Invited Speech 7	<b>Miti Ruchanurcks</b>
18:00 - 18:50	10:00 - 10:50	17:00 - 17:50	Break	
18:50 - 19:30	10:50 - 11:30	17:50 - 18:30	Keynote Speech 3	<b>Yoshie Otake</b>
19:30 - 20:00	11:30 - 12:00	18:30 - 19:00	Invited Speech 8	<b>Israel Schechter</b>
20:00 - 20:30	12:00 - 12:30	19:00 - 19:30	Invited Speech 9	<b>Johannes Pedarnig</b>
20:30 - 21:00	12:30 - 13:00	19:30 - 20:00	Invited Speech 10	<b>Gerd Wilsch</b>
21:00 - 21:30	13:00 - 13:30	20:00 - 20:30	Invited Speech 11	<b>José Miguel Vadillo</b>
21:30 - 21:40	13:30 - 13:40	20:30 - 20:40	Closing	

For further information, please contact  
Yoshihiro Deguchi  
E-mail: [ydeguchi@tokushima-u.ac.jp](mailto:ydeguchi@tokushima-u.ac.jp)

8, 2021  
November

# International Forum Advanced Technology for Industry 4.0 IFATI4



<https://www-me.ait231.tokushima-u.ac.jp/labs/lplab/IFATI4/index.html>

## ► Keynote Speakers

### Keynote-1



#### **Weixiong Chen**

Xi'an Jiaotong University, China

*“Research on Steam Water Direct Contact Condensation Technology”*

### Keynote-2



#### **Pavel Václavek**

CEITEC Brno University of Technology, Czech

*“Industry 4.0 testbed for distributed production systems”*

### Keynote-3



#### **Yoshie Otake**

Team Leader, Neutron Beam Technology Team, RIKEN  
Center for Advanced Photonics, Japan

*“Novel technology on site with compact neutron systems -RANS project”*

21 November  
8, 2023

# International Forum

## Advanced Technology for Industry 4.0

### IFATI4



<https://www-me.ait231.tokushima-u.ac.jp/labs/lplab/IFATI4/index.html>

#### ► *Invited Speakers*

##### *Invited-1*

### **Min-Gyu Jeon**

**Korea maritime and Ocean University,  
Korea**

*“Real-time temperature measurement of flame  
using optical methods”*

##### *Invited-2*

### **Ikuo Wakaida**

**Japan Atomic Energy Agency, Japan**

*“Laser remote analysis for onsite, in-situ screening  
of nuclear fuel debris and radioactive waste  
materials in decommissioning of Fukushima Daiichi  
Nuclear Power Station”*

##### *Invited-3*

### **Jinjia Guo**

**Ocean University of China, China**

*“Application of Raman spectroscopy in gas logging  
and refining process”*

##### *Invited-4*

### **Pavel Pořízka**

**CEITEC Brno University of Technology, Czech**

*“Laser spectroscopy as an advanced sensor in  
polymer recycling”*

##### *Invited-5*

### **Zhenzhen Wang**

**Xi'an Jiaotong University, China**

*“ Spectral characteristics analysis of steel  
measurement using LIBS”*

##### *Invited-6*

### **John Costello**

**Dublin City University, Dublin, Ireland**

*“Exploring Light Elements in Steel via LIBS in the  
Vacuum-UV”*

8, 2023  
November

# International Forum

## Advanced Technology for Industry 4.0

### IFATI4



<https://www-me.ait231.tokushima-u.ac.jp/labs/lplab/IFATI4/index.html>

#### ► Invited Speakers

##### Invited-7

### Miti Ruchanurcks

Kasetsart University, Thailand

*“Defect Segmentation of Hot-rolled Steel Strip Surface by using Convolutional Auto-Encoder and Conventional Image processing”*

##### Invited-8

### Israel Schechter

Technion – Israel Institute of Technology, Israel

*“Multiphoton Electron Extraction Spectroscopy and its Analytical Applications”*

##### Invited-9

### Johannes Pedarnig

Johannes Kepler University, Germany

*“Review of Element Analysis of Industrial Materials by in-line Laser-Induced Breakdown Spectroscopy (LIBS)”*

##### Invited-10

### Gerd. Wilsch

Federal Institute for Materials Research and testing, Berlin, Germany

*“Laser-based automated 2D chemical imaging of all relevant elements in concrete”*

##### Invited-11

### José Miguel Vadillo

the University of Málaga, Spain

*“Direct Analysis by Laser Spectroscopies for Industrial Solutions”*