

### 4-3. IROAST Salons/Research Exchange Meeting

No.	Title	Organizer
		Date
4-3-1	The 1st~7th IROAST Salon for the future cross- disciplinary research	<b>Kei Toda</b> IROAST
		1st: July 27, 2022 2nd: September 5, 2022 3rd: October 14, 2022 4th: November 25, 2022 5th: December 26, 2022 6th: January 26, 2023 7th: March 14, 2023
4-3-2	IROAST Research Exchange Meeting 2022	<b>Kei Toda</b> IROAST
		Day 1: September 6, 2022 Day 2: September 8, 2022

## IROAST Salon Report

No.3-1	Name of Organizer	Kei TODA	Title	Vice Director Professor
	Affiliation of Organizer	IROAST Faculty of Advanced Science and Technology (FAST)		
Salon Title	IROAST Salon for the future cross-disciplinary research			
Venue	Hybrid via Zoom and on sites; Room 204, Academic Commons Kurokami Bldg. 2 Room B, Faculty of Engineering Bldg.1			
Time & Date	1 <sup>st</sup> 12:00-13:00, July 27, 2022 2 <sup>nd</sup> 12:00-13:00, September 5, 2022 3 <sup>rd</sup> 12:00-13:00, October 14, 2022 4 <sup>th</sup> 12:00-13:00, November 25, 2022 5 <sup>th</sup> 14:00-15:00, December 26, 2022 6 <sup>th</sup> 16:30-17:30, January 26, 2023 7 <sup>th</sup> 13:30-14:30, March 14, 2023			
Speaker's Name/ Title/Affiliation	Mitsuhito Aida, Professor, FAST Mizuki Yamada, Postdoctoral research fellow, FAST Yoshihisa Ikeda, Guest scholar visiting research fellow, FAST Keitaro Takahashi, Professor, FAST Makiko Kobayashi, Professor, FAST Mitsuru Sasaki, Associate Professor, IINa Yuta Nakashima, Associate Professor, FAST Takumi Higaki, Professor, FAST Ruda Lee, Associate Professor, IINa Masahiko Furutani, Associate Professor, IROAST Kei Ishida, Associate Professor, CWMD Jonas Karl Agutaya, Postdoctoral Researcher, IROAST Takahiro Hosono, Professor, FAST Shin-ichi Ohira, Professor, FAST Reetu Rani, Postdoctoral Researcher, IROAST Atsushi Sainoki, Associate Professor, FAST Gaochuang Cai, Associate Professor, IROAST Prafulla Bahadur Malla, Postdoctoral Researcher, IROAST Hiroki Matsuo, Associate Professor, IROAST Zhongyue Zhang, Associate Professor, IROAST Junhua Wang, Guest scholar visiting research fellow, IROAST <div style="text-align: right;">21 speakers</div>			
Number of Participants	Total: <u>169</u> (Int'l participants: 43 )			

## 1. Salon Overview

IROAST held Salon for the Future Cross-Disciplinary Research seven times to provide an opportunity for exchange of information among researchers across disciplines. This salon aimed to increase research motivation, discover new ideas and points of view, and develop intra-university joint research by promoting ongoing exchanges.

## 2. Salon Outcomes and Future Plan

Twenty-one young researchers presented their results and on-going projects. Though presentation time was limited, the speakers explained the points well with keeping the content compact. The salons were good opportunities to exchange opinions and ideas from the other field researchers. The salon meetings held in 2022 served as a good lubricant for the researchers. As COVID-19 situation is becoming better, the salon may be held in more openly. The activity of IROAST researchers is expected to become more and more active.

## 3. Others



The 1<sup>st</sup> salon



Prof. Aida,  
FAST



Dr. Yamada  
FAST,



Dr. Ikeda,  
Palacký University  
Olomouc, Czech



The 2<sup>nd</sup> salon



Prof. Takahashi,  
FAST



Prof. Kobayashi,  
FAST



Assoc. Prof. Sasaki,  
IINa



The 3<sup>rd</sup> salon



Assoc. Prof.  
Nakashima, FAST



Prof. Higaki,  
FAST



Assoc. Prof. Lee,  
IINa



The 4<sup>th</sup> salon

Assoc. Prof. Furutani,  
IROAST

Assoc. Prof. Ishi,  
CWMD

Dr. Agutaya,  
IROAST

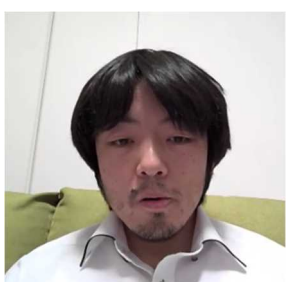


The 5<sup>th</sup> salon

Prof. Hosono,  
FAST

Prof. Ohira,  
FAST

Dr. Reetu Rani,  
IROAST



The 6<sup>th</sup> salon

Assoc. Prof. Sainoki,  
FAST

Assoc. Prof. Cai,  
IROAST

Dr. Malla,  
IROAST



The 7<sup>th</sup> salon

Assoc. Prof. Matsuo,  
IROAST

Assoc. Prof. Zhang,  
IROAST

Dr. Wang,  
Shenzen University,  
China

## IROAST Research Exchange Meeting

No.3-2	Name of Organizer	Kei TODA	Title	Vice Director Professor
	Affiliation of Organizer	IROAST Faculty of Advanced Science and Technology (FAST)		
Seminar Title	IROAST Research Exchange Meeting 2022			
Venue	Kurokami South C4 (Academic Commons Kurokami Bldg. 2) Room 204 Online via Zoom			
Time & Date	Tuesday, September 6, 2022 Thursday, September 8, 2022			
Speaker's Name/ Title/Affiliation	--Day 1 -- Akira UEDA, Associate Professor, FAST Yoshihiro SEKINE, Associate Professor, POIE Yusuke INOMATA, Assistant Professor, FAST Anna NAGAI, Assistant Professor, FAST Yu-ki HARADA, Specially Appointed Assistant Professor, POIE  --Day 2 -- Tsai YI-LUN, Assistant Professor, FAST Muhammad Sohail AHMAD, Specially Appointed Assistant Professor, IINa Hiroe ANDO, Assistant Professor, CWND Makoto TOKUDA, Assistant Professor, IINa Xu WEI, Assistant Professor, FAST			
Number of Participants	Total: <u>  61  </u> (Int'l participants: 23 ) Invitees: <u>  0  </u> (Int'l participants: 0 )			

The 1st IROAST Research Exchange Meeting 2022 was held from 12:00 for about an hour on 6 and 8, September.

This meeting was planned to provide an opportunity for young researchers conducting pioneering and highly promising challenging research to introduce themselves and present their research, and to promote interaction among researchers in order to strengthen cross-sectoral collaboration and support, as well as to initiate and develop original and promising research.

In these meetings, 10 young promising researchers presented and introduced their prominent researches to the faculties in KU and the students in the fields of Science and Technology, KU. Total of 61 participants joined this meeting and had a lively discussion both online and onsite. Their exploratory researches are expected to impact on future science and to be applied advanced technology.

At the Venue



The Day 1



The Day 2

Day 1



Assoc. Prof. Ueda,  
FAST



Assoc. Prof. Sekine,  
POIE



Assist. Prof. Inomata,  
FAST



Assist. Prof. Nagai,  
FAST



Specially Appointed Assist.  
Prof. Harada,  
POIE

Day2



Assist. Prof. Yi-Lun,  
FAST



Specially Appointed Assist.  
Prof. Ahmad,  
IINa



Assist. Prof. Ando,  
CWMD



Assist. Prof. Tokuda,  
IINa



Assist. Prof. Wei,  
FAST

**[Venue]** Kurokami South C4, Room 204  
(Academic Commons Kurokami Bldg. 2)  
**[Online]** Please contact IROAST for log-in.



Well-being technologies

# IROAST

Human-friendly technologies

# RESEARCH

Strengthening resilience

# EXCHANGE

Advanced materials

# MEETING 2022

and Data science, AI

**the first meeting**

**12:00-13:00 Tue, Sep. 6**

- 1- Design and synthesis of purely organic molecular solids toward highly processable super/high conducting materials  
*Assoc. Prof. Akira Ueda, FAST*
- 2- Development of stimuli-responsive functional materials  
*Assoc. Prof. Yoshihiro Sekine, POIE*
- 3- Enantioselective Crystallization of CsCuCl<sub>3</sub> and Application to Chiral Gas Sensors  
*Assist. Prof. Yusuke Inomata, FAST*
- 4- Characterization of CD-MOF doped with functional molecules  
*Assist. Prof. Anna Nagai, FAST*
- 5- The Chemical Space Analysis in Odor Molecules  
*Specially Appointed Assist. Prof. Yu-ki Harada, POIE*

**the second meeting**

**12:00-13:00 Thur, Sep. 8**

- 1-Competitive infection behaviors of plant root endophytic microorganism  
*Assist. Prof. Yi-Lun Tsai, FAST/IRCAEB*
- 2-Graphene-based materials for catalysis  
*Specially Appointed Assist. Prof. Ahmad Sohail, IINa*
- 3-The Spectral Partitioning Method to Evaluate the Connectivity of Road Networks  
*Assist. Prof. Hiroe Ando, CWMD*
- 4-Determination of valence distribution using single-crystal anomalous X-ray scattering  
*Assist. Prof. Makoto Tokuda, IINa*
- 5-Antibacterial and antiviral activities of graphene quantum dots  
*Assist. Prof. Xu Wei, FAST*

FAST: Faculty of Advanced Science and Technology

IINa: Institute of Industrial Nanomaterials

CWMD: Center for Water Cycle, Marine Environment and Disaster Management

POIE: Priority Organization for Innovation and Excellence

IRCAEB: International Research Center for Agricultural and Environmental Biology



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