

**Program of the**  
**International Conference on**  
**Power Engineering 2023**  
**ICOPE-2023**

**May 21-26, 2023.**

**Kyoto International Conference Center, Kyoto, Japan**



Organized and sponsored by

**The Power and Energy System Division in The Japan Society of Mechanical Engineers**

Co-organized by

**The Chinese Society of Power Engineering**

and

**The Power Division of The American Society of Mechanical Engineers**



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Editor: Yoshiharu Amano, Waseda University

Co-Editors: Takayuki Ozeki, CRIEPI

Akira Yoshida, Waseda University

Shoma Fujii, The University of Tokyo

June 9, 2023

# Forward

On behalf of the steering committee jointly organized by the JSME, ASME, and CSPE, I am pleased to welcome all participants to International Conference on Power Engineering-2023, Kyoto (ICOPE-2023). ICOPE is an international conference targeting a vast area of research and developments on power and energy systems except for nuclear power generation.

ICOPE is co-organized by The Japan Society of Mechanical Engineers (JSME), Chinese Society of Power Engineering (CSPE), and American Society of Mechanical Engineers (ASME). The first ICOPE was held in Tokyo in 1993. From then onwards, it has been successfully held in Shanghai (1995), Tokyo (1997), San Francisco (1999), Xian (2001), Kobe (2003), Chicago (2005), Hangzhou (2007), Kobe (2009), Denver (2011), Wuhan (2013), Yokohama (2015), Charlotte (2017), Kunming (2019), and Kobe (2021, virtual online). Historically, ICOPE has been rotationally hosted by three societies. As a continuation of the previous ICOPE-2021 hosted by JSME, the 16th ICOPE was supposed to be held in the United States and hosted by ASME according to the regular rotation. This year 2023 is the 30-year anniversary of the first ICOPE and International Conference on Nuclear Engineering (ICONE), which focuses on the power engineering area excepted from the scope of ICOPE, also commemorates the 30th anniversary. Against this background, in 2020, JSME Power and Energy System Division proposed the collocation of ICOPE-2023 and ICONE30 to ASME, CSPE, and Chinese Nuclear Society (CNS). After the understanding from all societies through a few dialogues, the first grand attempt is conducted in Kyoto.

The megatrend of a rapid energy transition to achieve carbon neutrality complicates the situation in the power sector, thus sharing knowledge of power engineering grows increasingly important. I wish to express my deep appreciation with sincere compliments to the authors, reviewers, session organizers, organizing committee members, international advisory committee members, and all other contributors for the success of ICOPE-2023 and ICONE30.



Chairman Prof. Takao NAKAGAKI

The steering committee of the International Conference on Power Engineering-2023, Kyoto



# Objective

As the past ICOPE conferences have done, ICOPE-2023 provides a platform for promoting collaborations among professional societies and sharing various studies such as developments of industrial new technologies, the latest research on measuring methods and evaluation tools, progress on operation and maintenance technologies, and feasibility studies on upcoming projects. While thermal power generation is still the main topic in ICOPE-2023, twelve technical tracks cover distributed energy systems including heat and power utilization, renewable energy, environmental issues including low-carbon, Carbon dioxide Capture, Utilize, and Storage (CCUS), and waste to energy, and the other energy-related topics.

ICOPE-2023 is held at Kyoto International Conference Center with the collocation of ICONE30. The common slogan is “Nuclear, thermal, and renewables: United to provide carbon neutral power”. In the context of carbon-neutral power generation, renewable energy is expected to be the main power source, but its intermittency should be supported by other dispatchable power sources, such as nuclear and thermal power generation. There are no perfect power generation ways. The message of the slogan means that nuclear, thermal, and renewables should be united to provide carbon-neutral power, considering each pros and cons. The shared track regarding energy storage is organized as the special session for the collocation of both conferences.

Hydrogen, ammonia, and synthetic methane will play a key role as the next-gen fuels for thermal power plants and fuel cells to store excess variable renewable energy.

Kyoto is a world-famous ancient city where the Kyoto Protocol was adopted in 1997. Recently, an innovative CCS is demonstrating in the northern part of Kyoto Prefecture where the conference provides a technical tour.

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# Scope and topics

## 0. Carbon Neutral Power Systems for Future World (ICOPE-ICONE Shared Track)

Energy storage technologies for power grid, P2X, energy carrier, power grid management, power grid system analysis, demand response

### Track Organizers:

Yukitaka Kato (Tokyo Institute of Technology, Japan. JSME )

Ryoichi Komiyama (The University of Tokyo, Japan. JSME )

## 1. Centralized Power Generation Systems

All advanced cycles such as A-USC, MACC, Triple Combined Cycle, IGCC, IGFC, Allam Cycle, Hybrid Cycle

### Track Organizer:

Yuso Oki (Central Research Institute of Electric Power Industry, Japan. )

## 2. Distributed Energy Systems

Combined Heat and Power (Co-generation system), Fuel Cells, Internal/External Combustion Engines, Organic Rankine Cycle, Smart Grid, Microgrid, Heat Pump Systems, Waste Heat Recovery

### Track Organizers:

Takuto Araki (Yokohama National University, Japan. )

Kosuke Nishida (Kyoto Institute of Technology, Japan. )

## 3. Renewable Energy

Geothermal Energy, Wind Turbines, Tidal Power Generation, Solar Power

### Track Organizers:

Tetsuya Wakui (Osaka Metropolitan University, Japan. JSME, ASME )

Shoma Fujii (The University of Tokyo, Japan. )

## 4. Hydrogen Energy Technologies

Hydrogen Production, Transportation and Utilization System, Fuel Cell for Automobile

### Track Organizers:

Masashi Kishimoto (Kyoto University, Japan. JSME )

Mina Nishi (Central Research Institute of Electric Power Industry, Japan. JSME )

## 5. Turbines and Generators

Gas Turbines, Steam Turbines, Hydraulic Turbines and Generators

### Track Organizers:

Shigeki Senoo (Mitsubishi Heavy Industries, Ltd., Japan. JSME ASME )

Yutaka Watanabe (Central Research Institute of Electric Power Industry, Japan. JSME )

## 6. Advanced Combustion Technologies

All Combustion technologies, Slag Management, Oxy-fuel Combustion

**Track Organizers:**

Hiroaki Watanabe (Kyushu University, Japan. )

Masahito Saitou (Kawasaki Heavy Industries, Ltd., Japan. )

**7. Thermal Hydraulics, Boiling and Condensation**

CFD, Experimental Techniques

**Track Organizers:**

Chaobin Dang (University of Fukui, Japan. )

Hiroki Umetsu (Central Research Institute of Electric Power Industry, Japan. )

**8. Materials Engineering for Energy Systems**

New Metal Alloys for Boilers, Materials for Turbine Blades and Governor Valves

**Track Organizers:**

Yoshimitsu Tsumita (IHI Corporation, Japan. )

Yoichi Takeda (Tohoku University, Japan. JSME )

**9. Operation, Maintenance and Diagnosis Technologies**

Non-destructive Inspection, Measurement Techniques, Robotics, IoT-AI

**Track Organizer:**

Yoshiharu Amano (Waseda University, Japan. JSME , ASME)

**10. Power Grid Stabilization Technologies and Techno-Socio-Economic Aspect of Energy System**

Energy Storage, Demand Response, Load Following and Levelling, Techno-Economic Analysis, Safety and Security, Regulations and Standards

**Track Organizers:**

Yutaka Watanabe (Central Research Institute of Electric Power Industry, Japan. JSME )

Fumihiko Yoshiba (Central Research Institute of Electric Power Industry, Japan. JSME )

Takayuki Ozeki (Central Research Institute of Electric Power Industry, Japan. JSME  
Other)

**11. Environmental Protection**

Carbon Capture, Utilization and Storage (CCUS), Gas and Water Aftertreatment, Waste to Energy

**Track Organizer:**

Toshio Otaka (Kokushikan University, Japan. JSME )

# Committees

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Shengyong Lu,  
Yan Song,  
Xiaoqing Lin

Zhejiang University, China  
CSPE, China  
Zhejiang University, China

# Conference schedule

## ICOPE-2023 program at-a-glance

Day	Time	Main Hall	Room A	Room B-1	Room D	Room F	Room G	Room H	Room I	New Hall	Swan
May 21 (Sun.)	18:30 - 20:30										Welcome Reception
May 22 (Mon.)	09:00 - 10:20	ICONE/ICOPE Opening Session									
	10:20 - 10:40				Break						
	10:40 - 12:10	ICONE/ICOPE Keynote Speech									
	12:10 - 13:30				Lunch						
	13:30 - 14:20		ICOPE-2023 Plenary Session 1								
	14:20 - 15:10		ICOPE-2023 Plenary Session 2								
	15:10 - 15:30					Break					
May 23 (Tue.)	15:30 - 16:20		ICOPE-2023 Plenary Session 3								
	08:30 - 10:15			P0-1 ICONE-ICOPE Shared Track 0-1		P5-1 Turbines and Generators-1	P1-1 Centralized Power Generation Systems	P11-1 Environmental Protection-1	P3-1 Renewable Energy-1		
	10:15 - 10:35				Break						
	10:35 - 12:20			P0-2 ICONE-ICOPE Shared Track 0-2		P5-2 Turbines and Generators-2	P7-1 Thermal Hydraulics, Boiling and Condensation-1	P11-2 Environmental Protection-2	P4-1 Hydrogen Energy Technologies-1		
	12:20 - 13:50				Lunch						
	13:50 - 15:35			P2-1 Distributed Energy Systems-1		P6-1 Advanced Combustion Technologies-1	P7-2 Thermal Hydraulics, Boiling and Condensation-2	P8-1 Materials Engineering for Energy Systems-1	P4-2 Hydrogen Energy Technologies-2		
	15:35 - 15:55				Break						
May 24 (Wed.)	15:55 - 17:40			P2-2 Distributed Energy Systems-2		P10-1 Power Grid Stabilization Technologies and Techno-Socio-Economic Aspect of Energy System-1	P7-3 Thermal Hydraulics, Boiling and Condensation-3	P11-3 Environmental Protection-3	P9-1 Operation, Maintenance and Diagnosis Technologies -1		
	08:30 - 10:15			P0-3 ICONE-ICOPE Shared Track 0-3		P10-2 Power Grid Stabilization Technologies and Techno-Socio-Economic Aspect of Energy System-2	P3-2 Renewable Energy-2	P8-2 Materials Engineering for Energy Systems-2	P9-2 Operation, Maintenance and Diagnosis Technologies -2		
	10:15 - 10:35				Break						
	10:35 - 12:20					P6-2 Advanced Combustion Technologies-2	P3-3 Renewable Energy-3	P5-3 Turbines and Generators-3	P4-3 Hydrogen Energy Technologies-3		
	12:20 - 13:50				Lunch						
	13:50 - 15:35			P7-4 Thermal Hydraulics, Boiling and Condensation-4		P6-3 Advanced Combustion Technologies-3		P5-4 Turbines and Generators-4			
	15:35 - 15:55				Break						
May 25 (Thu.)	15:55 - 17:40		ICONE 30/ICOPE-2023 30th Anniversary Special Session								
	18:30 - 21:00										Banquet
	08:30 - 10:15		P7-5 Thermal Hydraulics, Boiling and Condensation-5								
May 25 (Thu.)	10:15 - 10:35				Break						
	10:35 - 12:20		P7-6 Thermal Hydraulics, Boiling and Condensation-6				P2-3 Distributed Energy Systems-3	P11-4 Environmental Protection-4	P9-3 Operation, Maintenance and Diagnosis Technologies -3		
	12:20 - 13:50				Lunch						
	13:50 - 15:35						ICOPE-2023 Award Meeting				
	15:35 - 15:55				Break						
	15:55 - 17:40				ICOPE-2023 Closing Session						

## Welcome Reception

The welcome reception will be started at 18:30 on Sunday, 21st May at Swan of the Kyoto International Conference Center.

<b>May 21 (Sun.)</b>	
<b>Swan</b>	
	<b>Welcome Reception</b> May 21 (Sun.), 18:30-20:30, Swan

## Opening Session

<b>May 22 (Mon.)</b>	
<b>Main Hall</b>	
	<b>ICONE/ICOPE Opening</b> May 22 (Mon.), 09:00-10:20, Main Hall Chair: Koji OKAMOTO (The University of Tokyo, Conference Chair) and Chair: Takao NAKAGAKI (Waseda University, Conference Chair) Co-Chair: Jovica RIZNIC (Canadian Nuclear Safety Commission) Co-Chair: Jianqiao LIU (Chinese Nuclear Society) Co-Chair: Xiaoqing LIN (Zhejiang University, Chinese Society of Power Engineering)
	<b>Welcome speech</b> Koji OKAMOTO (The University of Tokyo) and Takao NAKAGAKI (Waseda University)
	<b>Welcome remarks 1</b> Yasutoshi NISHIMURA (Minister of Economy, Trade and Industry) (Izuru KPBUYASHI, Deputy Commissioner, substitution in place of a minister)
	<b>Welcome remarks 2</b> Akimasa YAMASHITA (Vice-Governor of Kyoto Prefecture)
	<b>Opening remarks 1</b> Hiroyuki ITO (President of JSME)
	<b>Opening remarks 2</b> Thomas COSTABILE (Executive Director/CEO of ASME) (video message)
	<b>Opening remarks 3</b> Shoujun WANG (President of CNS)
	<b>Opening remarks 4</b> Jianhua YAN (Vice president of CSPE)

## ICOPE-2023 Keynote session

May 22 (Mon.)	
Main Hall	
	<b>ICONE/ICOPE Keynote</b> May 22 (Mon.), 10:40-12:10, Main Hall
Keynote speech	Keisuke SADAMORI (Director, Energy Markets and Security, International Energy Agency)
Keynote speech	<b>Designing Carbon Neutral Power Systems - Scenario Analysis for 2050 Carbon Neutrality -</b> Kenji YAMAJI (President of the Research Institute Technology for the Earth)

## ICOPE-2023 Plenary session

May 22 (Mon.)	
Room A	
	<b>ICOPE Plenary session</b> May 22 (Mon.), 13:30-16:20, Room A
Plenary 1	<b>TOSHIBA's Carbon Neutral (CN) Solutions</b> Tadasu YOTSUYANAGI (Toshiba Energy Systems)
Plenary 2	<b>Ensuring a Reliable and Resilient Electrical Grid</b> Frank MICHELL(Chair of the ASME Clean Energy Technology Group)
Plenary 3	<b>Emission control of organic pollutants in the coal and MSW combustion in China: current study and challenges</b> Shengyong LU (Zhejiang University)

## Special Session

### 30th Anniversary of ICOPE and ICONE

May 24 (Wed.)	
Room A	
	<b>ICONE30/ICOPE-2023 30th Anniversary Special Session</b> May 24 (Wed.), 15:55-17:40, Room A Chair: Tetsuaki TAKEDA (University of Yamanashi) Co-Chari: Jovica RIZNIC (Canadian Nuclear Safety Commission)
	<b>ICONE History: Tetsuaki TAKEDA (University of Yamanashi)</b>
	<b>Founding period of ICONE</b> Michio ISHIKAWA
	<b>Founding period of ICONE</b> Masanori ARITOMI (Emeritus Professor of Tokyo Institute of Technology)
	<b>Founding period of ICONE</b>

		Yassin HASSAN (Texas A/M University)
		<b>Founding period of ICONE</b> Richard SCHULTZ, (Idaho State University) & Dr. Guoqiang WANG (Westinghouse Electric Co.)
		<b>Participation in ICONE of the CNS</b> Changxin LIU (Chinese Nuclear Society)
		<b>Future of ICONE</b> Tomio OKAWA (The University of Electro-Communications)
		<b>Future of ICONE</b> Jianqiao LIU (the Vice President and Secretary General of Chinese Nuclear Society)
<b>ICOPE History:</b> Hitoshi ASANO (Kobe University)		
		<b>Founding period of ICOPE</b> Mamoru OZAWA (Emeritus Professor of Kansai University)
		<b>Founding period of ICOPE</b> Jun INUMARU (Executive Managing Director, Central Research Institute of Electric Power Industry)
		<b>Founding period of ICOPE</b> Frank MICHELL (Chair of the ASME Clean Energy Technology Group)
		<b>Founding period of ICOPE</b> Jianhua YAN (the vice president of CSPE, chair of the international cooperation committee of CSPE, former vice president of Zhejiang University)
		<b>Future of ICOPE</b> Takao NAKAGAKI (Waseda University)
		<b>Future of ICOPE</b> Fei Wang (Zhejiang University, Chinese Society of Power Engineering)
		<b>Series in thermal and nuclear power generation</b> Yasuo KOIZUMI (The University of Electro-Communications)

## Banquet

The official conference banquet will be held at New Hall of the Kyoto International Conference Center at 18:30-21:00 on Wednesday 24th May.

<b>May 24 (Wed.)</b>	
<b>New Hall</b>	
<b>Banquet</b>	May 24 (Wed.), 18:30-21:00, New Hall

## Closing session

<b>May 25 (Thu.)</b>	
<b>Room D</b>	
<b>Closing</b>	May 25 (Thu.), 15:55-17:40, Room D

## Technical Tour

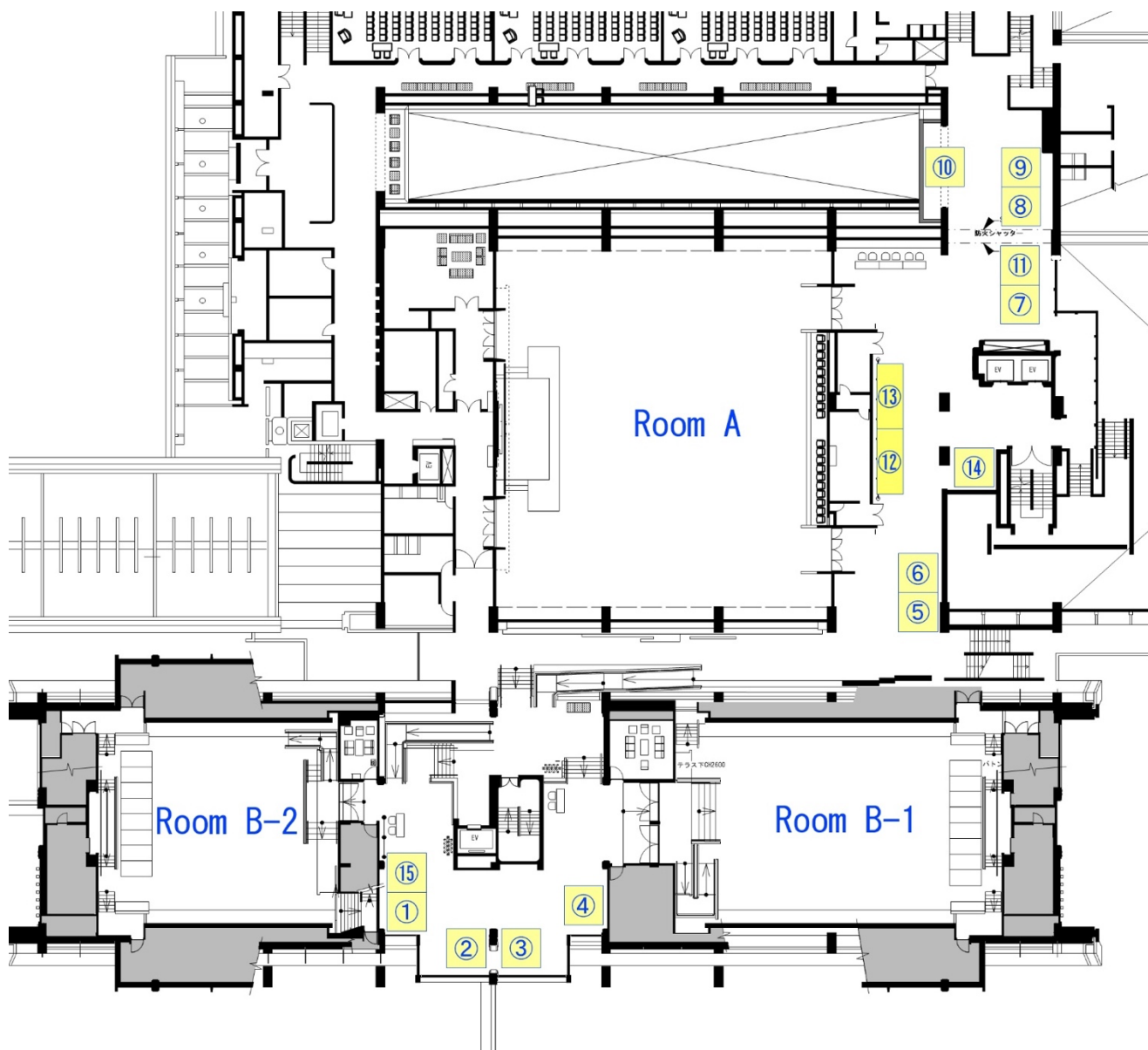
Technical tour is held on 26<sup>th</sup> May of fifth day of the conference -visiting CO2 Capture Demonstration Plant (NEDO, RITE, KHI) at Maizuru Power Station (KEPCO), PR Facility of Nuclear Power, ELGAIA OHI (KEPCO) at Uminpia Ohi. In addition, you can choose the ICONE30 technical tour on the same day.

<b>May 26 (Fri.)</b>	
<b>Tour 1: CCS Demonstration Plant</b>	
<b>Group A</b>	
08:00	Departure from Kyoto ICC (Travel by Bus)
10:30	CCS Site tour at Maizuru PS
11:50	Leaving for Ohi
13:00	Lunch at the Uminpia-Ohi
14:00	EL FAIA OHI tour
15:00	Departure (Travel by Bus)
17:00	Arrive at JR Kyoto Station
<b>Group B</b>	
08:30	Departure from Kyoto ICC (Travel by Bus)
11:00	EL FAIA OHI tour
12:00	Lunch at the Uminpia-Ohi
13:00	Leaving for Maizuru
14:00	CCS Site tour at Maizuru PS
15:30	Departure (Travel by Bus)
17:30	Arrive at JR Kyoto Station
<b>Tour 2: Mihama Nuclear Power Station</b>	
08:00	Departure from Kyoto ICC (Travel by Bus)
10:30	Arrive at Mihama Nuclear Power Station
<Mihama NPS site tour>	
13:10	Departure (Travel by Bus)
13:50	Arrive at Mikata Fice Lakes viewing spot or downtown Tsuruga City*

<Lunch and Sightseeing>	
15:50	Departure
	(Travel by Bus)
18:20	Arrive at JR Kyoto Station
* The location for lunch and sightseeing depends on the weather	

## Exhibitions

The exhibition is held at the conference venue. Various exhibition booths of leading companies in the energy and environmental industries are waiting for your visit.



List of exhibitors

①	JAEA	⑤⑥	IHI	⑫⑬	Westinghouse
②	Imdetek	⑦⑪	Hitachi GE	⑭	KHI
③	Shinto	⑧⑨	MHI	⑮	Toshiba ESS
④	FDS	⑩	TVE		



## Venue

### Kyoto International Conference Center

The ICOPE-2023 will be held in Kyoto, a world-wide famous old and new city in Japan. The city is located in the Kansai area on the northeast of Osaka. It is one of the oldest municipalities in Japan and considered as a cultural capital and a major tourist destination.





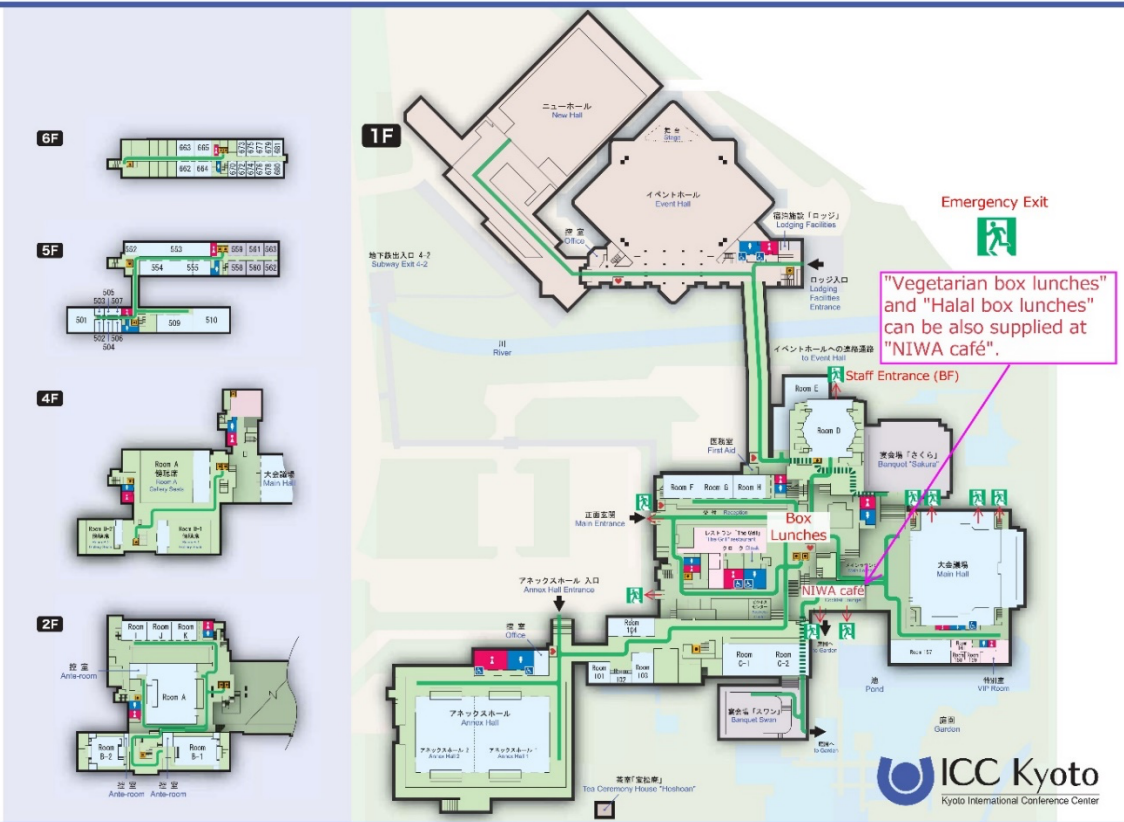
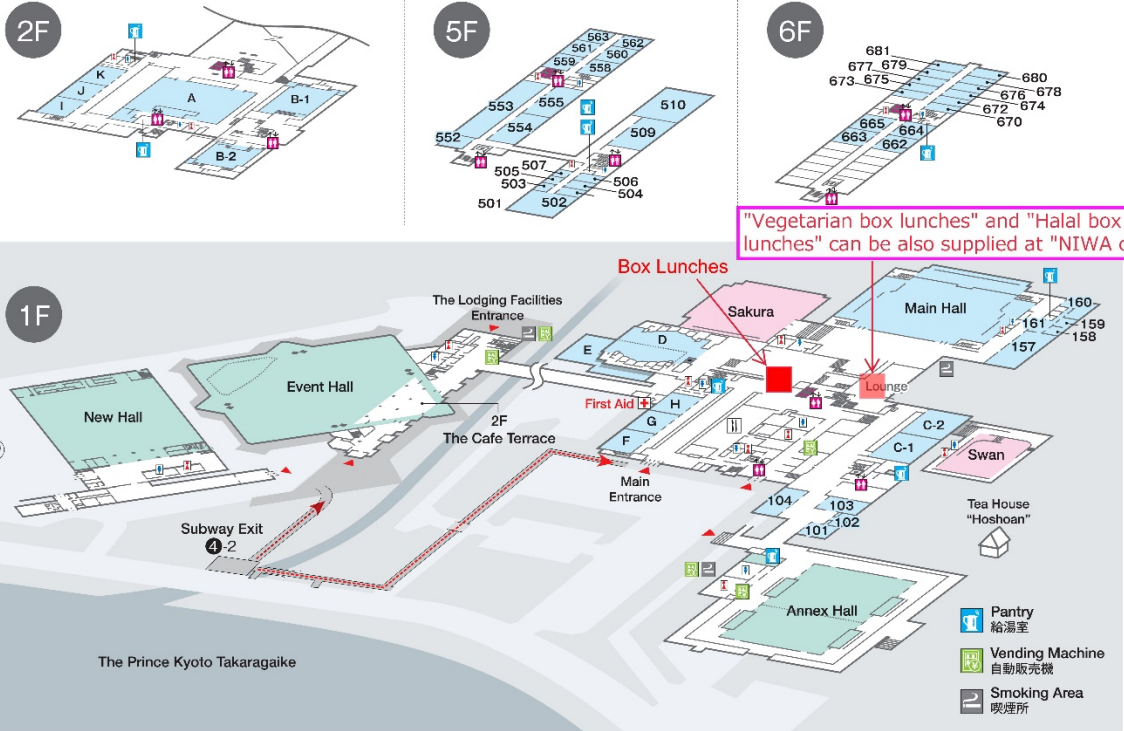
# 国際会館周辺マップ ICC Kyoto Area Map



ICC Kyoto  
Kyoto International Conference Center

⑱ Soba Sasaki has been closed.

⑭ Muhomatsu is closed at lunch time.



The conference venue is Kyoto International Conference Center.

<From Airport to Kyoto Station>

Travel from Kansai International Airport (KIX) to Kyoto Station on the Express Haruka train in 75 minutes.

<From Kyoto Station to ICC Kyoto>

Take the Karasuma Subway Line from Kyoto Station to Kokuzaikaikan Station in 20 minutes.

**Special issue in MEJ**

Special issue of ICOPE-2023 will be published in Mechanical Engineering Journal (JSME) and Waste Disposal & Sustainable Energy.

**Smoking**

Smoking is prohibited in the building of the International Conference Center Kyoto. There are three smoking places around the building.

**Pray room for Muslim**

Room 664 is available for all prayers. Please keep this room clean, especially if you use a tap water. The room has two entrances. The room is divided into two parts for man and lady.

**Lunch**

For the conference registered attendees, box lunches are supplied during lunch time at the place near the information counter behind elevators No. 1 and No. 2 on the 1st Floor of the conference center from May 21st to 25th. "Vegetarian box lunches" and "Halal box lunches" can be also supplied at "NIWA café" on the 1st Floor of the conference center. Tickets/Badges are required. There is a restaurant in the conference center, too. You may also have lunch at cafeterias or restaurants around the conference center.

**Questions about the meeting**

If you have any questions or need assistance, please contact JSME representative at the registration desk in the entrance hall of the congress center.

# Instructions for presenters

- Presenters should prepare their computers/devices for the presentation.
- Before the session, the presenter should ensure that the presentation materials work properly.
- In the session room, a projector with only HDMI display cable is available.
- Don't forget the display adapter to HDMI cable. The ICOPE-2023 Secretariat will not provide display adapters.
- The ICOPE-2023 Secretariat will provide laptops with Microsoft PowerPoint 2016 on Microsoft Windows 10 Home and Adobe Acrobat Pro Ver.2023 installed in all session rooms. The laptop computer has a type A USB port.
- Presenters can use laptop computers by copying presentation files via a USB memory stick.
- The presentation time is **20** minutes (**15** minutes for presentation and **5** minutes for discussion).
- The Session Room Assistant will ring the 1st, 2nd, and 3rd bell at **12**, **15**, and **20** minutes respectively from the start of each presentation.

## Student Competition

- The ICOPE-2023 Award Committee will select several outstanding presenters as Award Winners so that recognize the significant contributions of young researchers in the power and energy domain. **The winners will be announced at the closing ceremony on the last day of the conference. The winners will receive a trophy and will get a refund** that equals the amount of the registration fee. To simplify the process, the winners will get a refund of the registration fee to the credit card used for payment at a later date.
- The applicants therefore must have completed the registration payment by using their own credit card by May 8, and applicants will be expected to attend the closing ceremony.
- Note that the committee cannot give the award winner the trophy but the award itself will not be revoked even if the applicant does not show the closing ceremony up. Applicants who will not attend the closing ceremony are therefore requested to have a representative on your own responsibility and email to [icope-2023@jsme.or.jp](mailto:icope-2023@jsme.or.jp).





Conference Program



Day	Time	Main Hall	Room A	Room B-1	Room D	Room F	Room G	Room H	Room I	New Hall	Swan
May 21 (Sun.)	18:30 - 20:30										<a href="#">Welcome Reception</a>
	09:00 - 10:20	<a href="#">ICOPE/ICOPE Opening Session</a>									
May 22 (Mon.)	10:20 - 10:40	Break									
	10:40 - 12:10	<a href="#">ICOPE/ICOPE Keynote Speech</a>									
	12:10 - 13:30	Lunch									
	13:30 - 14:20		<a href="#">ICOPE-2023 Plenary Session 1</a>								
	14:20 - 15:10		<a href="#">ICOPE-2023 Plenary Session 2</a>								
	15:10 - 15:30	Break									
	15:30 - 16:20		<a href="#">ICOPE-2023 Plenary Session 3</a>								
	May 23 (Tue.)	08:30 - 10:15			<a href="#">P0-1 ICONE-ICOPE Shared Track 0-1</a>		<a href="#">P5-1 Turbines and Generators-1</a>	<a href="#">P1-1 Centralized Power Generation Systems</a>	<a href="#">P11-1 Environmental Protection-1</a>	<a href="#">P3-1 Renewable Energy-1</a>	
10:15 - 10:35		Break									
10:35 - 12:20				<a href="#">P0-2 ICONE-ICOPE Shared Track 0-2</a>		<a href="#">P5-2 Turbines and Generators-2</a>	<a href="#">P7-1 Thermal Hydraulics, Boiling and Condensation-1</a>	<a href="#">P11-2 Environmental Protection-2</a>	<a href="#">P4-1 Hydrogen Energy Technologies-1</a>		
12:20 - 13:50		Lunch									
13:50 - 15:35				<a href="#">P2-1 Distributed Energy Systems-1</a>		<a href="#">P6-1 Advanced Combustion Technologies-1</a>	<a href="#">P7-2 Thermal Hydraulics, Boiling and Condensation-2</a>	<a href="#">P8-1 Materials Engineering for Energy Systems-1</a>	<a href="#">P4-2 Hydrogen Energy Technologies-2</a>		
15:35 - 15:55		Break									
May 24 (Wed.)	15:55 - 17:40			<a href="#">P2-2 Distributed Energy Systems-2</a>		<a href="#">P10-1 Power Grid Stabilization Technologies and Techno-Socio-Economic Aspect of Energy System-1</a>	<a href="#">P7-3 Thermal Hydraulics, Boiling and Condensation-3</a>	<a href="#">P11-3 Environmental Protection-3</a>	<a href="#">P9-1 Operation, Maintenance and Diagnosis Technologies -1</a>		
	08:30 - 10:15			<a href="#">P0-3 ICONE-ICOPE Shared Track 0-3</a>		<a href="#">P10-2 Power Grid Stabilization Technologies and Techno-Socio-Economic Aspect of Energy System-2</a>	<a href="#">P3-2 Renewable Energy-2</a>	<a href="#">P8-2 Materials Engineering for Energy Systems-2</a>	<a href="#">P9-2 Operation, Maintenance and Diagnosis Technologies -2</a>		
	10:15 - 10:35	Break									
	10:35 - 12:20					<a href="#">P6-2 Advanced Combustion Technologies-2</a>	<a href="#">P3-3 Renewable Energy-3</a>	<a href="#">P5-3 Turbines and Generators-3</a>	<a href="#">P4-3 Hydrogen Energy Technologies-3</a>		
12:20 - 13:50	Lunch										

May 25 (Thu.)	13:50 - 15:35	<a href="#">P7-4 Thermal Hydraulics, Boiling and Condensation- 4</a>		<a href="#">P6-3 Advanced Combustion Technologies- 3</a>		<a href="#">P5-4 Turbines and Generators-4</a>				
	15:35 - 15:55			Break						
	15:55 - 17:40	<a href="#">ICONE30/ICOPE- 2023 30th Anniversary Special Session</a>								
	18:30 - 21:00								<a href="#">Banquet</a>	
	08:30 - 10:15	<a href="#">P7-5 Thermal Hydraulics, Boiling and Condensation-5</a>								
	10:15 - 10:35			Break						
	10:35 - 12:20	<a href="#">P7-6 Thermal Hydraulics, Boiling and Condensation-6</a>				<a href="#">P2-3 Distributed Energy Systems-3</a>	<a href="#">P11-4 Environmental Protection-4</a>	<a href="#">P9-3 Operation, Maintenance and Diagnosis Technologies -3</a>		
	12:20 - 13:50			Lunch						
	13:50 - 15:35	<a href="#">ICOPE-2023 Award Meeting</a>								
	15:35 - 15:55			Break						
	15:55 - 17:40	<a href="#">ICOPE- 2023 Closing Session</a>								



<b>May 21 (Sun.)</b>
<b>Swan</b>
<b>Welcome Reception</b> May 21 (Sun.), 18:30 - 20:30, Swan

<b>May 22 (Mon.)</b>
<b>Main Hall</b>
<p><b>ICONE/ICOPE Opening Session</b> May 22 (Mon.), 09:00 - 10:20, Main Hall Chair: <b>Koji Okamoto</b> (The University of Tokyo, Japan) <b>Takao Nakagaki</b> (Waseda University, Japan) <b>Jovica Riznic</b> (Canadian Nuclear Safety Commission, Canada) <b>Jianqiao Liu</b> (Chinese Nuclear Society, China) <b>Xiaoqing Lin</b> (Zhejiang University, Chinese Society of Power Engineering, China)</p> <p><b>Welcome speech</b> <b>Koji Okamoto</b> (The University of Tokyo) <b>Takao Nakagaki</b> (Waseda University)</p> <p><b>Welcome remarks</b> <b>Yasutoshi Nishimura</b> (Minister of Economy, Trade and Industry) <b>Akimasa Yamashita</b> (Vice-Governor of Kyoto Prefecture)</p> <p><b>Opening remarks</b></p> <p> <b>Hiroyuki Itoh</b> (President of JSME)</p> <p> <b>Thomas Costabile</b> (Executive Director/CEO of the ASME)</p> <p> <b>Shoujun Wang</b> (President of CNS)</p> <p> <b>Jianhua Yan</b> (Vice president of CSPE)</p>

<b>ICONE/ICOPE Keynote Speech</b> May 22 (Mon.), 10:40 - 12:10, Main Hall
<p> <b>Keisuke Sadamori</b> (Director, Energy Markets and Security, International Energy Agency) —Presenter Information— Mr. Keisuke Sadamori became the IEA Director for Energy Markets and Security in 2012, leading an administrative structure that includes several core functions of the IEA, including monitoring global oil markets and responding to energy-supply disruptions. Prior to joining the IEA, Mr Sadamori, a Japanese national, held many senior positions at the Japanese Ministry of Economy, Trade and Industry (METI), including Deputy Director-General at the Minister's Secretariat. Mr. Sadamori served as the executive assistant to the Prime Minister in 2011, when the Great East Japan Earthquake and Tsunami hit Japan, causing the Fukushima nuclear plant accident. Before this, he worked on international energy affairs and was the representative of the Government of Japan in such forums as the IEA Governing Board in 2008 and 2009. He also served as the chief negotiator for trade and investment agreements with Asian countries in 2009 and 2010. Mr. Sadamori received an LL.B. from University of Tokyo in 1983 and a Master in Public Affairs from the Woodrow Wilson School of Public and International Affairs at Princeton University in 1990.</p> <p> <b>Kenji Yamaji</b> (The President of the Research Institute of Innovative Technology for the Earth) —Presenter Information— Dr. Kenji Yamaji's immediate past position was a Professor of Electrical Engineering and Information Systems at the University of Tokyo. He obtained B.S., M.S., and Dr. of Engineering degrees in nuclear engineering from the University of Tokyo in 1972, 1974, 1977 respectively. During the earlier part of his career, Dr. Yamaji had been extensively involved in the analysis of energy technology assessment, mainly at the Central Research Institute of Electric Power Industry (CRIEPI) in Japan. Dr. Yamaji served as President of the Japan Institute of Energy and as President of the Japan Society of Energy and Resources. He was a Council Member of the Science Council of Japan (SCJ), a Research Supervisor, of the Japan Science and Technology Agency (JST). He has published around 100 books as well as many research papers on energy systems, and he is also serving in many advisory bodies on energy and environmental policy for Japanese government. Dr. Yamaji contributed to Intergovernmental Panel on Climate Change (IPCC) as a lead author for 3rd and 4th Assessment Reports of WG3.</p>

**Room A****ICOPE-2023 Plenary Session 1**

May 22 (Mon.), 13:30 - 14:20, Room A

**"TOSHIBA's Carbon Neutral (CN) Solutions"****Tadasu Yotsuyanagi**

(Executive Officer and Corporate Senior Vice President, Toshiba Corporation President and CEO, Toshiba Energy Systems &amp; Solutions Corporation)

## Presenter Information

Tadasu Yotsuyanagi joined Toshiba in 1989, and now oversees its energy business as President and CEO of Toshiba Energy Systems & Solutions Corporation.

Mr. Yotsuyanagi started as an engineer for nuclear business and has largely focused on that field, in addition to his wide-ranging experience and expertise in engineering and project management for the nuclear industry within Toshiba Group.

In 2017, Mr. Yotsuyanagi was appointed Technology Executive, Nuclear Energy Systems & Services Division, and in 2019, he was appointed Chief Technology Executive and Chief Quality Executive of Toshiba Energy Systems & Solutions Corporation.

He has advanced the establishment of a framework for special development for new businesses, such as digital, renewable energy and hydrogen, and has accelerated research in growth areas. Moreover, he has frequently visited the manufacturing sites and confirmed the soundness of the maintenance of the product realization process through conversations with concerned employees and reviewed the actual products as Chief Quality Executive.

He later became an Executive Officer and Corporate Vice President of Toshiba Corporation in June 2022.

Mr. Yotsuyanagi graduated from the University of Tokyo with a Masters in Nuclear Engineering. He is married, and in his free time he enjoys taking trips and going on walks with his wife.

**ICOPE-2023 Plenary Session 2**

May 22 (Mon.), 14:20 - 15:10, Room A

**"Ensuring a Reliable and Resilient Electrical Grid"****Frank Michell**

(Chairman of ASME Clean Energy Technology Group)

## Presenter Information

Chairman of ASME Clean Energy Technology Group, Past Chairman of ASME Power Division. And an ASME Fellow Frank Michell retired from American Electric Power (AEP). Prior to retiring, Frank managed the Applications Engineering and Balance of Plant Mechanical Equipment Group in the Engineering Services Organization; responsible for providing engineering services to AEP's Fossil and Hydro Generating Fleet in the areas of Mechanical Engineering Analysis (fluid mechanics, thermodynamics, heat transfer, stress analysis & CFD modeling), fire protection engineering and balance of plant mechanical equipment & system expertise/design basis for pumps, heat exchangers, cooling towers, HVAC & dust collection and other misc. equipment. Also provided consultation support for AEP's twin unit PWR Nuclear Plant. Following retirement from AEP, Frank formed Power Industry Consulting, LLC to provide consulting services to the industry. Frank is active in several Industry Organizations including the American Society of Mechanical Engineers (ASME), Cooling Technology Institute (CTI), and Electric Power Research Institute (EPRI). Author/Co-author of a number of articles and technical papers on subjects including High Energy Pumps, Cooling Towers, Heat Exchangers, The US Electric Grid, and Power Plant Water Intakes. Frank holds a Bachelor of Science Degree in Mechanical Engineering from Polytechnic Institute of New York.

**ICOPE-2023 Plenary Session 3**

May 22 (Mon.), 15:30 - 16:20, Room A

**"Emission control of organic pollutants in the coal and MSW combustion in China: current study and challenges"****Shengyong Lu** (Zhejiang University)

## Presenter Information

Shengyong LU is a full professor in the State Key Laboratory of Clean Energy Utilization at Zhejiang University, China since 2012. He received his bachelor's degree in thermal power engineering from Shanghai Jiaotong University in 1999 and doctor's degree in engineering thermal physics from Zhejiang University in 2004. His research focuses on the formation mechanisms and control technologies of organic pollutants in the thermal disposal processes of different kinds of solid fuels. He engaged in fundamental and applied research on emission control of trace organic pollutants like dioxins in incineration flue gas for almost 20 years, systematic effective methods were proposed for abatement of dioxin emissions and widely applied in dozens of large-scale incinerators. Since 2015, as a team member he joined in developing innovative method and invent commercialized devices for online monitoring of dioxins in incineration flue gas, which now is a world leading system for real application in 400 to 800 tons/day incineration units. Meanwhile, his team also developed new process using the mechanochemical method to synergize the degradation of dioxins and the solidification of heavy metals in fly ash. From 2018 to 2021, he presided over a National Key Research and Development Project (governmental sponsor was 26.67 million Yuan) and led a hundred-researcher team investigating on the formation and emission characteristics of polycyclic aromatic hydrocarbons (PAHs) and condensable particulate material (PM) in flue gas from large scale coal-fired power boilers (300 MW and 660 MW). Since 2022, Prof. Lu presided over another National Key Research and Development Project (governmental sponsor was 15 million Yuan) to develop the low temperature catalytic oxidation and removal technologies for volatile organic compounds (VOCs) from coal conversion process.

**May 23 (Tue.)****Room B-1****P0-1. ICONE-ICOPE Shared Track 0-1**

May 23 (Tue.), 08:30 - 10:15, Room B-1

Chair: **Ryoichi Komiya** (The University of Tokyo, Japan)Co-Chair: **Yukitaka Kato** (Tokyo Institute of Technology, Japan)

ICOPE-2023-1028 <small>Student Comp.</small>	<b>Thermostabilizing of recycled salt hydrates for thermal energy storage applications</b> Charles Alexander Wesemann, Tessa Junggeburth, Katrin Schollbach, H. J.H. Brouwers (Eindhoven University of Technology, Netherlands)
ICOPE-2023-1038 <small>Other Comp.</small>	<b>Development of Hydrogen Permeable Membrane for High-purity Hydrogen Production</b> Ryu Hamamura, Yasunari Shinoda, Kouhei Harada, Hiroki Takasu, Yukitaka Kato (Tokyo Institute of Technology, Japan)
ICOPE-2023-1087 <small>Other Comp.</small>	<b>Improving performance of a metal-supported solid oxide electrolysis cell for an ironmaking process based on Active Carbon Recycling Energy System</b> Daiki Teshima, Kosuke Umeda, Sho Kuzukami, Hiroki Takasu, Yukitaka Kato (Tokyo Institute of Technology, Japan)
ICOPE-2023-1130 <small>Student Comp.</small>	<b>Case study on the effects of increasing public charging infrastructure on a distribution network in Stockholm County</b> Priscila Costa Nascimento, Filippo Padovani, Monika Topel Capriles, Björn Laumert (KTH Royal Institute of Technology, Sweden)
ICOPE-2023-1291 <small>Student Comp.</small>	<b>Use of auxiliary gases to improve methanol selectivity and synthesis in a self-cooling nonthermal plasma</b> Robert Karisa Masumbuko, Nobusuke Kobayashi, Yoshinori Itaya, Akira Suami (Gifu University, Japan)



<b>P0-2. ICONE-ICOPE Shared Track 0-2</b>	
May 23 (Tue.), 10:35 - 12:20, Room B-1 Chair: <b>Yukitaka Kato</b> (Tokyo Institute of Technology, Japan) Co-Chair: <b>Haruki Maeda</b> (IHI corporation, Japan)	
ICOPE-2023-1021	<b>Experimental and simulation study of a thermal energy storage system utilizing reaction of titanium and hydrogen at high temperature</b> Jiawei Wang, Itoko Saita, Sou Hosokai (National Institute of Advanced Industrial Science and Technology, Japan)
ICOPE-2023-1070	<b>Feasibility evaluation and verification of Thermal Energy Storage(TES) system with Rock Bed: Demonstration Planning of the TES and Examining the Charge/Discharge Characteristics by TES mock-up test.</b> Hiromitsu Miki, Masayuki Sato, Takashi Mawatari, Koichi Goto, Hiroshi Saeki, Masato Fukuta, Yukitoshi Ota, Chikako Iwaki (Toshiba Energy Systems & Solutions Corporation, Japan), Naoya Matsuda (Chubu Electric Power Co., Inc., Japan)
ICOPE-2023-1080 <small>Other Comp.</small>	<b>Feasibility evaluation and verification of Thermal Energy Storage(TES) system with Rock Bed:Thermal and Hydraulic Calculation Modeling and Evaluation of the TES Rock Bed.</b> Takashi Mawatari, Masato Fukuta, Chikako Iwaki, Hiromitsu Miki (Toshiba Energy Systems & Solutions Corporation, Japan), Naoya Matsuda (Chubu Electric Power Co., Inc., Japan)
ICOPE-2023-1118	<b>Micro- and nano-encapsulation techniques of phase change materials for thermal energy storage: from water heating to concentrated solar power</b> Byeongnam Jo, Seunghee Park, Somin Kim, Cheeho Lee (Ajou University, Korea), Jaejun Lee (Samsung Electronics, Korea)
ICOPE-2023-1167	<b>Development of a pilot plant for thermochemical energy storage with Ca(OH)2-based granules</b> Aldo Cosquillo Mejia, Marc Linder (German Aerospace Center, Germany), Sandra Afflerbach (University of Siegen, Germany), Matthias Schmidt (German Aerospace Center, Germany)

<b>P2-1. Distributed Energy Systems-1</b>	
May 23 (Tue.), 13:50 - 15:35, Room B-1 Chair: <b>Kosuke Nishida</b> (Kyoto Institute of Technology, Japan) Co-Chair: <b>Akira Yoshida</b> (Waseda University, Japan)	
ICOPE-2023-1257 <small>Student Comp.</small>	<b>Experimental Study on Heat Transfer Characteristics of Two-phase Expansion Process</b> Xiaoran Li, Weifeng Wu, Yin Zhang, Chengyi Li, Jing Zhang, Chengqiang Guo (Xi'an Jiaotong University, China), Jiangfeng Wang, Bofeng Wang (Xi'an Jiaotong University, China)
ICOPE-2023-1088 <small>Student Comp.</small>	<b>Experimental investigation on the thermocline hot water storage tank: Influence of hot water inlet parameters</b> Can Xu (Xi'an Jiaotong University, China), Haiyu Tang (Xi'an Jiaotong University, China), Shuai Jiao, Ming Liu, Junjie Yan (Xi'an Jiaotong University, China)
ICOPE-2023-1317 <small>Other Comp.</small>	<b>Visualization of condensate droplets freezing propagation on hydrophilic and hydrophobic composite surfaces</b> Sota Kishi, Kota Asaoka, Takuto Araki (Yokohama National University, Japan)
ICOPE-2023-1035 <small>Student Comp.</small>	<b>Operating characteristics of a swing rotary expander for a miniature power generating system using waste heat energy for Local Production for Local Consumption</b> Daiki Makino, Toshio Otaka (Kokushikan University, Japan)

<b>P2-2. Distributed Energy Systems-2</b>	
May 23 (Tue.), 15:55 - 17:40, Room B-1 Chair: <b>Takuto Araki</b> (Yokohama National University, Japan) Co-Chair: <b>Kosuke Nishida</b> (Kyoto Institute of Technology, Japan)	
ICOPE-2023-1014 <small>Student Comp.</small>	<b>Material selection considering degradation from system-level perspective of thermochemical energy storage and transport system</b> Sogo Saito (WASEDA University, Japan), Shoma Fujii (The University of Tokyo, Japan), Takao Nakagaki (WASEDA University, Japan)
ICOPE-2023-1071 <small>Student Comp. Other Comp.</small>	<b>Optimization of a large-scale factory heating and cooling system with a combination of geothermal heat pumps and solar heat collectors</b> Ryota Takahashi, Tomomi Kaneko, Kazushige Kiuta (National Institute of Technology, Tomakomai College, Japan)
ICOPE-2023-1146 <small>Student Comp.</small>	<b>Modeling of SOFC/IGT Hybrid System Matching Ship Navigation Law</b> Xicong Mi, Xusheng Wang, Xiaojing Lv, Yiwu Weng (Shanghai Jiao Tong University, China)
ICOPE-2023-1326 <small>Student Comp.</small>	<b>Integrated Management Framework of Workload and Energy System in Internet Data Centers</b> Haijin Guo, Hang Yu, Shijie Zhao (Tongji University, China), Cheng Liu (China Mobile Group Shanghai Co., Ltd., China)

<b>Room F</b>	
<b>P5-1. Turbines and Generators-1</b>	
May 23 (Tue.), 08:30 - 10:15, Room F Chair: <b>Shigeki Senoo</b> (Mitsubishi Heavy Industries, Ltd., Japan) Co-Chair: <b>Yutaka Oda</b> (Kansai University, Japan)	
ICOPE-2023-1114 <small>Student Comp.</small>	<b>Thermodynamic Performance Modeling and Analysis of F-class Gas Turbine Fueled by Hydrogen Enriched Gas</b> Haonan Wu, Yiwu Weng, Xiaojing Lv (Shanghai Jiao Tong University, China)
ICOPE-2023-1117 <small>Student Comp.</small>	<b>Inverse Modeling Of Turbine Based On Actual Blade Profile And Performance Analysis</b> Zongze He, Jin Guan, Yiwu Weng, Xiaojing Lv (Shanghai Jiao Tong University, China)
ICOPE-2023-1063 <small>Student Comp.</small>	<b>Aerodynamic design and performance analysis of a multi-stage axial S-CO2 turbine</b> Ji Gao, Yonghui Xie, Yuqi Wang (Xi'an Jiaotong University, China)
ICOPE-2023-1091 <small>Student Comp.</small>	<b>The Surrogate Model-Based Nonlinear Dynamic Design of Bladed Disk Systems</b> Zhufeng Liu, Dongbo Shi, Yupeng Liu, Peiyu Wang, Yonghui Xie, Di Zhang (Xi'an Jiaotong University, China)

<b>P5-2. Turbines and Generators-2</b>	
May 23 (Tue.), 10:35 - 12:20, Room F Chair: <b>Ryo S Amano</b> (University of Wisconsin-Milwaukee, United States) Co-Chair: <b>Kazuhiro Momma</b> (Mitsubishi Heavy Industries, Ltd., Japan)	
ICOPE-2023-1147 <small>Student Comp.</small>	<b>Transient characteristics of Marine gas turbine using a hybrid intelligent controller based on BP-Neural Network</b> Jueran Lu (Shanghai Jiao Tong University, China)
ICOPE-2023-1160 <small>Student Comp.</small>	<b>Intelligent Control Characteristics of Marine Gas Turbine Based on GA-BP Neural Network</b> Jiale Wen ( Shanghai Jiao Tong University, China)
ICOPE-2023-1096 <small>Student Comp.</small>	<b>Stress field reconstruction and uncertainty quantification of gas turbine rotor disc using deep learning method</b> Jinxing Li, Bo Tang, Yonghui Xie, Di Zhang (Xi'an jiao tong university, China)
ICOPE-2023-1068 <small>Student Comp.</small>	<b>Influence of lean guide vane on flutter performance of axial compressor</b> Yupeng Liu, Guangqing Liao, Di Zhang, Yonghui Xie (Xi'an Jiaotong University, China)
ICOPE-2023-1095 <small>Student Comp.</small>	<b>Strength and vibration analysis of three-dimensional gas turbine rotor disc based on rough surface contact model</b> Chongyu Wang, Zhilong Qiu, Baisheng Fu, Yupeng Liu, Di Zhang, Yonghui Xie (Xi'an Jiaotong University, China)

**P6-1. Advanced Combustion Technologies-1**

May 23 (Tue.), 13:50 - 15:35, Room F

Chair: **Hiroaki Watanabe** (Kyushu University, Japan)Co-Chair: **Daniel Kroniger** (Kawasaki Heavy Industries. Ltd., Japan)

ICOPE-2023-1085 <small>Student Comp.</small>	<b>Experimental study on emission characteristic of NH<sub>3</sub>/DME/air premixed flame in a dump combustor filled with porous medium</b> Mingyu Yu, Guangqian Luo, Ruize Sun, Li Wang, Xian Li, Hong Yao (Huazhong University of Science and Technology, China)
ICOPE-2023-1131 <small>Student Comp. Other Comp.</small>	<b>Flame lift-off characteristics and flame structure of methane-ammonia diffusion microflames</b> Fuki Miwa, Taro Hirasawa (Chubu University, Japan)
ICOPE-2023-1145 <small>Student Comp. Other Comp.</small>	<b>Characteristics of melting, coagulation, and coalescence process of metal particles by merged six diffusion microflames</b> Kyonosuke Utsumi, Taro Hirasawa (Chubu University, Japan)
ICOPE-2023-1178 <small>Student Comp.</small>	<b>Effect of Ammonia Co-firing in Coal Combustion on the Formation of Condensable Particulate Matter</b> Yunfei Zhai, Xiaowei Liu, Zijian Zhou, Aoyang Zhang, Minghou Xu (Huazhong University of Science and Technology, China)

**P10-1. Power Grid Stabilization Technologies and Techno-Socio-Economic Aspect of Energy System-1**

May 23 (Tue.), 15:55 - 17:40, Room F

Chair: **Fumihiko Yoshida** (Central Research Institute of Electric Power Industry, Japan)Co-Chair: **Takahiro Yamana** (Mitsubishi Heavy Industries, Ltd, Japan)

ICOPE-2023-1086 <small>Student Comp.</small>	<b>Operation optimization of the cold end system of thermal power plants during load cycling processes</b> Kezhen Zhang (Xi'an jiaotong unversity, China), Ming Liu (Xi'an Jiaotong University, China), Yongliang Zhao, Miaomiao Liu, Junjie Yan (Xi'an jiaotong unversity, China)
ICOPE-2023-1261 <small>Student Comp.</small>	<b>Economics of renewable hydrogen production using wind and solar energy</b> Mostafa Rezaei, Alexandr Akimov, Evan Gray (Griffith University, Australia)
ICOPE-2023-1190 <small>Student Comp.</small>	<b>CFD Simulation of In-situ Deep Coal Seam Ignition and Combustion: Changes of Temperature, O<sub>2</sub> Fraction and Porosity</b> Yi Xiao, Haoyu Zhang, Can Fang, Min Lv, Renjie Zou, Guangqian Luo, Hong Yao, Xian Li (Huazhong University of Science and Technology, China)
ICOPE-2023-1183	<b>Measurement Technology and Its Uncertainty in Evaluation Test of Marine Turbocharger</b> Toshiyasu Koike (IHI Rotating Machinery Engineering Co.,Ltd., Japan), Shin Morishita (University of NIIGATA PREFECTURE, Japan)

**Room G****P1-1. Centralized Power Generation Systems**

May 23 (Tue.), 08:30 - 10:15, Room G

Chair: **Yuso Oki** (Central Research Institute of Electric Power Industry, Japan)Co-Chair: **Hiroaki Watanabe** (Kyusyu University, Japan)

ICOPE-2023-1238 <small>Other Comp.</small>	<b>Effect of load change operation on an oxygen-hydrogen combustion turbine system</b> Yutaka Watanabe, Toru Takahashi, Kojun Suzuki (Central Research Institute of Electric Power Industry, Japan)
ICOPE-2023-1318 <small>Other Comp.</small>	<b>Evaluation of Tar Generation Behavior on Coal and Plastics Mixed Gasification for Development of the Poly-generation System with CO<sub>2</sub> Capture</b> Hiroyuki Hamada, Kazuhiko Kidoguchi, Satoshi Umamoto, Keisuke Sato (Central Research Institute of Electric Power Industry, Japan)
ICOPE-2023-1251	<b>Construction method and application of digital twin model for cogeneration system under underdetermined conditions</b> Keqing Zuo (Zhejiang University, China), Qingle Chen, Shuai Yang, Wei Fang (China Petroleum & Chemical Corporation, China), Jianhong Chen (Zhejiang University, China)
ICOPE-2023-1182 <small>Student Comp.</small>	<b>Influence analysis of flue gas recirculation on boiler thermal parameters and economy for 125 MW supercritical CO<sub>2</sub> coal-fired unit</b> Meng Zhu, Lei Chen, Lingang Zhou, Song Hu, Sheng Su, Aishu Li, Can Wang, Jing Zhou, Yi Wang, Kai Xu, Jun Xu, Long Jiang, Jun Xiang (Huazhong University of Science and Technology, China)

**P7-1. Thermal Hydraulics, Boiling and Condensation-1**

May 23 (Tue.), 10:35 - 12:20, Room G

Chair: **Shuichi Umezawa** (Tokyo Electric Power Company Holdings, Inc., Japan)Co-Chair: **Yuji Namba** (IHI, Japan)

ICOPE-2023-1105 <small>Student Comp.</small>	<b>Enhancement in thermodynamic cycle condensation of a coal-fired power unit by integrating a PCM heat storage tank into the indirect dry cooling system</b> Baigong Wang, Huan Ma, Fengqi Si (Southeast University, China)
ICOPE-2023-1065 <small>Student Comp. Other Comp.</small>	<b>Heat transport characteristics of flat-plate pulsating heat pipe with sintered metal porous</b> Takuya Ise, Tatsuki Ichinose, Kizuku Kurose (Tokyo University of Science, Japan)
ICOPE-2023-1252 <small>Student Comp. Other Comp.</small>	<b>The collapse behavior of vapor bubbles containing non-condensable gas by direct contact condensation</b> Motohiro Nakahata, Noor Saffreena Hamdan (Degree program in Systems and information Engineering, University of Tsukuba, Japan), Akiko Kaneko (Faculty of Engineering, Information and Systems, University of Tsukuba, Japan)
ICOPE-2023-1018 <small>Student Comp. Other Comp.</small>	<b>A loop heat pipe with HFC245fa working fluid for thermal management of a vehicle cabin heated by solar radiation</b> Tsubasa Usui (Graduate school of Kanto-gakuin University, Japan), Atsushi Tsujimori, Yui Sato, Sumiko Kashima (Kanto-gakuin University, Japan), Reo Miwa (Graduate school of Kanto-gakuin University, Japan)

**P7-2. Thermal Hydraulics, Boiling and Condensation-2**

May 23 (Tue.), 13:50 - 15:35, Room G

Chair: **Mamoru Ozawa** (Kansai University, Japan)Co-Chair: **Akira Nishimura** (Mie University, Japan)

ICOPE-2023-1260 <small>Student Comp. Other Comp.</small>	<b>IMPROVEMENT OF THE ACCURACY OF PIV MEASUREMENT OF FLOW FIELD IN A DROPLET</b> Eugene Gatete, Akiko Kaneko, Shen Biao (University of Tsukuba, Japan)
ICOPE-2023-1320 <small>Student Comp.</small>	<b>Experimental investigation of an elliptical air-jet impingement on a metal-foamed heated surface</b> Pradeep Kumar Singh, Pawan Kumar Sharma, Jaykumar Joshi, Santosh Kumar Sahu (INDIAN INSTITUTE OF TECHNOLOGY INDORE, India)
ICOPE-2023-1268 <small>Student Comp. Other Comp.</small>	<b>Examination of multi-scale generated decaying turbulence validated for the influence of wind tunnel blockage</b> Hiroto Yamaguchi, Hiroki Suzuki, Kento Tanaka, Toshinori Kouchi (Okayama University, Japan)
ICOPE-2023-1036 <small>Student Comp. Other Comp.</small>	<b>Transient Behavior of a Loop Heat Pipe with Plate-type Evaporator</b> Koji Ono (Graduate school of Kanto-gakuin University, Japan), Atsushi Tsujimori, Yui Sato (Kanto-gakuin University, Japan), Reo Miwa (Graduate school of Kanto-gakuin University, Japan), Norifumi Miyayama (Kanto-gakuin University, Japan), Hiroki Niizuma (Graduate school of Kanto-gakuin University, Japan)

**P7-3. Thermal Hydraulics, Boiling and Condensation-3**

May 23 (Tue.), 15:55 - 17:40, Room G

Chair: **Atsushi Tsujimori** (Kanto-gakuin University, Japan)Co-Chair: **Ichiro Ueno** (Tokyo University of Science, Japan)

ICOPE-2023-1129 <small>Student Comp. Other Comp.</small>	<b>Effect of Thermal Radiation on Heat Storage and Release Characteristics of Spherical Heat Storage Body for Regenerative Burner</b> Rikuto Hata, Shigeto Okabe (Chubu University, Japan), Osamu Takagi (TYK Co., Japan), Taro Hirasawa (Chubu University, Japan)
ICOPE-2023-1274 <small>Student Comp. Other Comp.</small>	<b>Fundamental numerical analysis clarifying the response of incompressible turbulence fields to the uncertainty of kinetic energy conservation</b> Makoto Chitose, Hiroki Suzuki, Kento Tanaka, Toshinori Kouchi (Okayama University, Japan)
ICOPE-2023-1281 <small>Student Comp.</small>	<b>Three-dimensional Lattice Boltzmann simulation of directional droplet transport on microstructured surfaces during condensation</b> Yuhao Zhu, Zhichun Liu, Wei Liu (Huazhong University of Science and Technology, China)
ICOPE-2023-1034 <small>Student Comp. Other Comp.</small>	<b>Numerical Study at Low Reynolds Number on Fluid Force Acting on a Sphere Oscillating in Viscous Fluid with Finite Amplitude</b> Shota Anayama, Masashi Yamamoto, Maria Shibata, Katsuya Hirata (Doshisha University, Japan)

**Room H****P11-1. Environmental Protection-1**

May 23 (Tue.), 08:30 - 10:15, Room H

Chair: **Minghui Tang** (Zhejiang University, China)Co-Chair: **Toshio Otaka** (Kokushikan University, Japan)

ICOPE-2023-1079 <small>Student Comp.</small>	<b>Fault analysis and research on SCR denitrification in thermal power plants</b> Yawen Wang (Shandong Jianzhu University, China), Wanpeng Lu (Shandong Jianzhu University, China), Yanqi Li (Shandong Yingcai University, China), Shaoliang Zong (Shandong Jianzhu University, China)
ICOPE-2023-1048 <small>Student Comp.</small>	<b>The study of energy efficiency about photocatalytic reactor based on mossy biomimetic structure</b> Shicheng Liu, Qulan Zhou, Na Li, Chenyang Wu (Xi'an Jiaotong University, China)
ICOPE-2023-1067 <small>Student Comp. Other Comp.</small>	<b>Design of pressurized reaction calorimetry for CO<sub>2</sub> capture based on attribution analysis of measurement deviation</b> Koki Saito, Hirota Isogai, Takao Nakagaki (Waseda University, Japan)
ICOPE-2023-1092 <small>Student Comp.</small>	<b>Effect of the MgO/SiO<sub>2</sub> ratio on MgO-SiO<sub>2</sub> binders solidifying MSWI fly ash</b> Yin Duan, Xuguang Jiang (Zhejiang University, China)
ICOPE-2023-1120 <small>Student Comp.</small>	<b>Nanoscale zero-valent iron supported on activated carbon for efficient selenium removal from desulfurization wastewater</b> Li Wang, Qian Guang Luo, Ze Rui Sun, Yu Ming Yu, Xian Li, Hong Yao (Huazhong university of science and technology, China)

**P11-2. Environmental Protection-2**

May 23 (Tue.), 10:35 - 12:20, Room H

Chair: **Toshio Otaka** (Kokushikan University, Japan)Co-Chair: **Takahiro Yamaguchi** (Kawasaki Heavy Industries, Ltd., Japan)

ICOPE-2023-1245 <small>Student Comp.</small>	<b>Study on performance of bag filter dust removal based on big data analysis</b> Zerui Li (University of Jinan, China), Yanqi Li (Shandong Yingcai University, China), Fei Li (University of Jinan, China)
ICOPE-2023-1149 <small>Student Comp.</small>	<b>Theoretical Insight into Selective Catalytic Reduction of NO with CO over Fe-based catalysts</b> Yuqing Pan, Na Li, Shiyuan Ran, Chenyang Wu (Xi'an Jiaotong University, China), Ke Li (Agency for Science, Technology and Research, Singapore), Qulan Zhou (Xi'an Jiaotong University, China)
ICOPE-2023-1191 <small>Student Comp.</small>	<b>Improving the removal of fine particles by single channel slit bubbling device</b> Can Fang, Yi Xiao, Renjie Zou, Guangqian Luo, Wencong Qiu, Li Wang, Tianyu Zhao, Hong Yao (Huazhong University of Science and Technology, China)
ICOPE-2023-1266 <small>Student Comp.</small>	<b>Insight into distribution of Cl, dioxins and heavy metals during water washing pretreatment of fly ash</b> Weiyang Zhou (Zhejiang University, China), Zhuoting Fang (Hefei General Machinery Research Institute, China), Nannan Zhao (Zhejiang Gongshang University, China), Zengyi Ma, Peng Rui, Jingqi Sun, Jianhua Yan (Zhejiang University, China)

**P8-1. Materials Engineering for Energy Systems-1**

May 23 (Tue.), 13:50 - 15:35, Room H

Chair: **Yoichi Takeda** (Tohoku University, Japan)Co-Chair: **Yoshimitsu Tsumita** (IHI Corporation, Japan)

ICOPE-2023-1128 <small>Student Comp.</small>	<b>Enhancing thermal performance and thermal reliability of paraffin nanocapsules for latent heat storage</b> Somin Kim, Yuhyeok Kim, Sunjin Jung, Byeongnam Jo (Ajou university, Korea)
ICOPE-2023-1134 <small>Student Comp. Other Comp.</small>	<b>Crack growth acceleration of Ni-based superalloy 625 under cyclic loading in superheated steam environment at 750 °C</b> Yuichi Kato, Yoichi Takeda, Susumu Nakano (Tohoku university, Japan)
ICOPE-2023-1262 <small>Student Comp.</small>	<b>The heat output/input and coefficient-of-performance characteristics of a chemical heat pump with silica nano-holed microcapsule composites based on calcium chloride</b> Linbin Zeng, Ruri Hidema (Kobe University, Japan), Keiko Fujioka (Functional Fluids Ltd., Japan), Hiroshi Suzuki (Kobe University, Japan)

**P11-3. Environmental Protection-3**

May 23 (Tue.), 15:55 - 17:40, Room H

Chair: **Takao Nakagaki** (Waseda University, Japan)Co-Chair: **Hideki Murakawa** (Kobe University, Japan)

ICOPE-2023-1009	<b>Flue Gas Flow Field Optimization of an SCR Denitrification System Based on CFD</b> Pengtai Gu, Zhicheng Deng, Yong Wang, Letian Li, Chao Fang, Kaixuan Yang, Meng Sun (Shanghai Power Equipment Research Institute Co., LTD, China)
ICOPE-2023-1052	<b>Co-firing test research on melting characteristics of fly ash for distillers' grain and coal</b> Yue Wang, Xiaohui Zhuo, Qiang Cheng, Zixue Luo (Huazhong University of Science and Technology, China)
ICOPE-2023-1081	<b>High-performance adsorption mechanism of CO<sub>2</sub> on N-doped biochar: A combination of experimental and theoretical study</b> Hongxian Li (Zhejiang University, China), Minghui Tang, Shengyong Lu (Zhejiang University, China)
ICOPE-2023-1296	<b>Demonstration of Kawasaki CO<sub>2</sub> Capture (KCC) system with solid sorbent</b> Takahiro Yamaguchi, Takeshi Okumura, Ryohei Numaguchi, Shohei Nishibe, Katsuhiko Yoshizawa (Kawasaki Heavy Industries, Ltd., Japan)
ICOPE-2023-1170	<b>New insight into the emission and control of dioxins in hazardous waste incinerators</b> Fengyu He, Fei Wang (Zhejiang University, China)

Room I	
<b>P3-1. Renewable Energy-1</b>	
May 23 (Tue.), 08:30 - 10:15, Room I	
Chair: <b>Tetsuya Wakui</b> (Osaka Metropolitan University, Japan)	
Co-Chair: <b>Shoma Fujii</b> (The University of Tokyo, Japan)	
ICOPE-2023-1270 <small>Student Comp. Other Comp.</small>	<b>Lift Force Enhancement Improved by Fin Shape Attached to the Rotating Cylinder for Magnus Wind Turbines.</b> Ikki Okuyama, Naoto Kato, Hiroaki Hasegawa (Utsunomiya University, Japan)
ICOPE-2023-1064 <small>Student Comp.</small>	<b>Thin PDMS/PVDF composite membrane for Methanol recovery from Methanol/Water mixture by Pervaporation</b> Xiaole Chen, Panfeng Liu, Qulan Zhou, Na Li (Xi'an Jiaotong University, China)
ICOPE-2023-1013 <small>Student Comp.</small>	<b>Effect of Gas Parameters and Properties in Molten Salt Heat Storage Tank on Cooling Rate of Molten Salt</b> Yuanjing Wang, Yanping Zhang (Huazhong University of Science and Technology, China)
ICOPE-2023-1139 <small>Student Comp. Other Comp.</small>	<b>Time-series forecasting of geothermal steam enthalpy using Temporal Fusion Transformer architecture</b> Hodaka Matsuzaki, Akira Yoshida, Yoshiharu Amano (Waseda University, Japan)
ICOPE-2023-1278 <small>Student Comp.</small>	<b>Column Generation-based Time-Domain Decomposition for Seasonal Operation Planning Problems of Energy Storage and Supply Systems</b> Boyun Zhang, Tetsuya Wakui, Ryohei Yokoyama (Osaka Metropolitan University, Japan)
<b>P4-1. Hydrogen Energy Technologies-1</b>	
May 23 (Tue.), 10:35 - 12:20, Room I	
Chair: <b>Tsuyoshi Nagasawa</b> (Tokyo Institute of Technology, Japan)	
Co-Chair: <b>Takaaki Shimura</b> (The University of Tokyo, Japan)	
ICOPE-2023-1011	<b>Investigation on Impact of Operation Condition on Hydrogen Production from Biogas Dry Reforming in Membrane Reactor</b> Akira Nishimura, Yuki Hayashi, Syogo Ito, Ryotaro Sato, Souta Yamada (Mie University, Japan)
ICOPE-2023-1133 <small>Student Comp.</small>	<b>Pretreatment of the inoculum with trichloromethane to enhance biohydrogen production via two-stage batch fermentation</b> Shengrong Xue, Fei Wang (Zhejiang University, China)
ICOPE-2023-1112 <small>Student Comp. Other Comp.</small>	<b>Performance Evaluation of Thermally Self-Sustaining Syngas production via Electrochemical Partial Oxidation</b> Takuma Yanagisawa (Waseda University (Shinjuku; Tokyo), Japan), Takao Nakagaki (Waseda University, Japan)
ICOPE-2023-1102 <small>Student Comp. Other Comp.</small>	<b>Economic evaluation of a Power-to-Gas plant with electrical energy storage system</b> Masashi Tayama, Akira Yoshida, Yoshiharu Amano (Waseda university, Japan)
ICOPE-2023-1108 <small>Student Comp.</small>	<b>Effects of hydrogen addition on NOx formation in a methane non-premixed low-NOx combustor</b> Jiaying Cheng, Chenzhen Ji, Jinrong Bao, Ziyang Zhang, Tong Zhu (Tongji University, China)
<b>P4-2. Hydrogen Energy Technologies-2</b>	
May 23 (Tue.), 13:50 - 15:35, Room I	
Chair: <b>Takaaki Shimura</b> (The University of Tokyo, Japan)	
Co-Chair: <b>Tsuyoshi Nagasawa</b> (Tokyo Institute of Technology, Japan)	
ICOPE-2023-1161 <small>Student Comp.</small>	<b>The performance investigation of onboard SOFC/MGT hybrid power system fueled by diesel under variable operation conditions</b> Ruikang Yan (Shanghai Jiao Tong University, China)
ICOPE-2023-1166 <small>Student Comp.</small>	<b>Sensitivity Analysis of An Aircraft SOFC/GT Hybrid System Under Varying Operational Characteristics Along the Flight Profile.</b> Takudzwa Martin Mashamba (China-UK Low Carbon College, Shanghai Jiao Tong University, Shanghai, 201306, China, China)
ICOPE-2023-1132	<b>Development of low NOx combustion technology for hydrogen fuel</b> Tomiki Kozuma (Mitsubishi Heavy Industries Power IDS Co., Ltd., Japan), Kazuhiro Ishii (Yokohama National University, Japan), Masayuki Taniguchi (Hitachi-naka Chemical System Raboratory, Japan), Toshikazu Tsumura, Yohei Takashima (Mitsubishi Heavy Industries Power IDS Co., Ltd., Japan)
ICOPE-2023-1311	<b>Experimental Investigation of Hydrogen/Natural Gas Premixed Flame in a Natural Gas DLE combustor</b> Yuji Ashida, Kunio Okada, Toshiaki Skurazawa, Yasushi Douura, Atsushi Horikawa (Kawasaki Heavy Industries, LTD, Japan)
ICOPE-2023-1299	<b>COMBINED HEAT AND POWER SUPPLY DEMONSTRATION OF MICRO-MIX HYDROGEN COMBUSTION APPLIED TO M1A-17 GAS TURBINE</b> Atsushi Horikawa, Mitsugu Ashikaga, Masato Yamaguchi, Tomoyuki Ogino, Yuki Ishimura, Shigeki Aoki (Kawasaki Heavy Industries, Ltd., Japan), Manfred Wirsum (RWTH Aachen University, Germany), Harald H.-W. Funke (Aachen University of Applied Sciences, Germany), Karsten Kusterer (B&B-AGEMA GmbH, Germany)
<b>P9-1. Operation, Maintenance and Diagnosis Technologies -1</b>	
May 23 (Tue.), 15:55 - 17:40, Room I	
Chair: <b>Masahiro Takei</b> (Chiba University, Japan)	
Co-Chair: <b>Takayuki Ozeki</b> (Central Research Institute of Electric Power Industry, Japan)	
ICOPE-2023-1027 <small>Student Comp.</small>	<b>Simulation and Experimental Research on Temperature Field Reconstruction in Furnace Based on Acoustic Tomography</b> Jingkao Tan, Qulan Zhou, Na Li, Zhengyu Wu (Xi'an Jiaotong University, China)
ICOPE-2023-1040 <small>Student Comp.</small>	<b>Calculation and Analysis of Flow Distribution and Hydrodynamic Instability of Supercritical (Supercritical) Vertical Water Wall under Low Load</b> Kaixuan Yang (Xi'an Jiaotong University; Shanghai Power Equipment Research Institute Co., Ltd., China), Yong Wang, Zhicheng Deng, Letian Li, Pengtai Gu, Jiayin Chen, Cengsi Zhong (Shanghai Power Equipment Research Institute Co.,Ltd, China), Lei Deng, Defu Che (Xi'an Jiaotong University, China)
ICOPE-2023-1177 <small>Student Comp.</small>	<b>Research on algorithm of temperature field reconstruction by acoustic wave method</b> Lehang Chen, Qulan Zhou, Na Li (Xi'an Jiaotong University, China)
ICOPE-2023-1249 <small>Other Comp.</small>	<b>Inhomogeneity detection of carbon black (CB) powders in slurry composition mixing by characteristic frequency of electrical impedance tomography coupled with convolutional neural network (cfEIT-CNN)</b> Yosephus Ardean Kurnianto Prayitno, Yuki Ashida, Kanta Ino, Prima Asmara Sejati, Daisuke Kawashima, Masahiro Takei (Chiba University, Japan)
<del>ICOPE-2023-1061</del>	<del><b>Research on state prediction and early fault warning methods of power plant fan based on optimized LSSVM with Improved BAS</b></del> <del>Zhi Li, Di Wang, Yong Wang, Zhicheng Deng, Meng Sun, Chao Fang, Gang Ding, Bole Xiao (Shanghai Power Equipment Research Institute Co.,Ltd., China)</del>

<b>May 24 (Wed.)</b>	
<b>Room A</b>	
<b>ICONE30/ICOPE-2023 30th Anniversary Special Session</b> May 24 (Wed.), 15:55 - 17:40, Room A Chair: <b>Tetsuaki Takeda</b> (University of Yamanashi, Japan) Co-Chair: <b>Jovica Riznic</b> (Canadian Nuclear Safety Commission, Canada)	
<b>ICONE History</b> Founding period of ICONE	<b>Tetsuaki Takeda</b> (University of Yamanashi) <b>Michio Ishikawa</b> <b>Masanori Aritomi</b> (Emeritus Professor of Tokyo Institute of Technology) <b>Yassin Hassan</b> (Texas AM University) <b>Richard Schultz</b> (Idaho State University) & <b>Guoqiang Wang</b> (Westinghouse Electric Co.)
Founding & future of ICONE Future of ICONE	<b>Jianqiao Liu</b> (Chinese Nuclear Society) <b>Tomio Okawa</b> (The University of Electro-Communications)
<b>ICOPE History</b> Founding period of ICOPE	<b>Hitoshi Asano</b> (Kobe University) <b>Mamoru Ozawa</b> (Emeritus Professor of Kansai University) <b>Jun Inumaru</b> (Central Research Institute of Electric Power Industry) <b>Frank Michell</b> (ASME / Power Industry Consulting, LLC) <b>Jianhua Yan</b> (Chinese Society of Power Engineering)
Future of ICOPE	<b>Takao Nakagaki</b> (Waseda University) <b>Fei Wang</b> (Zhejiang University, Chinese Society of Power Engineering)
<b>ICONE &amp; ICOPE</b> Series in thermal and nuclear power generation	<b>Yasuo Koizumi</b> (The University of Electro-Communications)

<b>Room B-1</b>	
<b>P0-3. ICONE-ICOPE Shared Track 0-3</b> May 24 (Wed.), 08:30 - 10:15, Room B-1 Chair: <b>Byeongnam Jo</b> (Ajou University, Korea) <b>Aldo Cosquillo Mejia</b> (German Aerospace Center, Germany)	
ICOPE-2023-1109	<b>Feasibility Evaluation and Verification of Thermal Energy Storage(TES) System with Rock Bed: Coordination Control Design and Load Response Simulation Study for TES Power Plants</b> Taufiq Hilal Tawab, Jianda Goh, Toyohiro Akebi, Masakazu Shirakawa, Hiromutsu Miki (Toshiba Energy Systems & Solutions Corporation, Japan), Naoya Matsuda (Chubu Electric Power Co., Inc., Japan)
ICOPE-2023-1110	<b>Development of ammonia single firing burner</b> Haruki Maeda, Ryo Hanaoka (IHI Corporation, Japan), Takahiro Kozaki (IHI Corporation, Japan), Hiroki Ishii (IHI Corporation, Japan)
ICOPE-2023-1137 <a href="#">Other Comp.</a>	<b>Numerical analysis of furnace heat absorption for 100% biomass fired with wood pellet fuel</b> Tomonori Hashino (IHI Corporation, Japan)
ICOPE-2023-1107	<b>Carbon recycling technology converting CO2 into synthetic methane</b> Natsumi Hayashi (IHI corporation, Japan)

<b>P7-4. Thermal Hydraulics, Boiling and Condensation-4</b> May 24 (Wed.), 13:50 - 15:35, Room B-1 Chair: <b>Katsuya Hirata</b> (Doshisha University, Japan) <b>Chaobin Dang</b> (University of Fukui, Japan)	
ICOPE-2023-1056	<b>Numerical analysis of transient pressure evolution in LNG fuel tank with equipped PBU</b> Zhongdi Duan, Chenbiao Wang (Shanghai Jiao Tong University, China), Haoran Sun (COMAC Shanghai Aircraft Design and Research Institute, China), Yuchao Yuan, Jun Liu (Shanghai Jiao Tong University, China)
ICOPE-2023-1076 <a href="#">Other Comp.</a>	<b>Numerical simulation of heat transfer from combustion gas to the steam at superheaters with wrapper tubes in a coal-fired thermal power plant radiant boiler</b> Kizuku Kurose (Tokyo university of science, Japan), Shuichi Umezawa (Tokyo Electric Power Company Holdings, Japan), Kazushi Miyata (Fukuoka University, Japan), Shuichi Ohmori (Tokyo Electric Power Company Holdings, Japan)
ICOPE-2023-1103	<b>Numerical investigation on the water wall dynamic characteristics for a 660 MW ultra-supercritical CFB boiler</b> Xiaocheng Du, Yuanyuan Song, Yuxuan Xiang, Yanjun Zhou, Aoyu Wang, Dong Yang (Xi'an Jiaotong University, China)

<b>Room F</b>	
<b>P10-2. Power Grid Stabilization Technologies and Techno-Socio-Economic Aspect of Energy System-2</b> May 24 (Wed.), 08:30 - 10:15, Room F Chair: <b>Yutaka Watanabe</b> (Central Research Institute of Electric Power Industry, Japan) Co-Chair: <b>Takayuki Ozeki</b> (Central Research Institute of Electric Power Industry, Japan)	
ICOPE-2023-1295 <a href="#">Other Comp.</a>	<b>Conceptual Design of Large-Scale Thermal Energy Storage System Utilizing Surplus Renewable Energy for Steam Power Generation</b> Takahiro Yamana, Tsutomu Kawamizu, Shugo Iwasaki (Mitsubishi Heavy Industries, Ltd, Japan), Khanhson Pham (Mitsubishi Heavy Industries Machinery Systems, Ltd, Japan), Kohei Shinozaki, Makoto Tobo (Mitsubishi Heavy Industries, Ltd, Japan)
ICOPE-2023-1267	<b>Value Estimation of Operational Flexibility of Coal-fired Power Plant during Increasing Shares of Renewable Energies</b> Fumihiko Yoshida (Central Research Institute of Electric Power Industry, Japan)
ICOPE-2023-1204	<b>Two-stage, single and multi-objective optimization with multi-E analysis for a CHP system: A case study</b> Kaiji Zhang (Zhejiang University, China), Qingle Chen, Shuai Yang, Wei Fang (China Petroleum & Chemical Corporation, China), Jianhong Chen, Jiesuer Anwaer (Zhejiang University, China)
ICOPE-2023-1006	<b>Simulation study on additive-promoted microwave dehydration of lignite</b> Lichao Ge, Mingjin Zuo (Hohai University, China), Xiaoyan Liu (Power China Beijing Engineering Co., Ltd., China), Dongyang Li, Jie Tang, Jingwen Miao (Hohai University, China)



**P6-2. Advanced Combustion Technologies-2**

May 24 (Wed.), 10:35 - 12:20, Room F  
 Chair: **Taro Hirasawa** (Chubu University, Japan)  
 Co-Chair: **Hirohito Okuhara** (IHI Corporation, Japan)

ICOPE-2023-1058	<b>Effect of DC electric fields on methane/air flame characteristics in a micro confined combustion space</b> Li Guo, Guannan Liu, Tongyao Wang, Ming Zhai (Harbin Institute of Technology, China)
ICOPE-2023-1169 <a href="#">Other Comp.</a>	<b>A study on precise estimation of laminar burning velocity of hydrogen premixed flame: Effect of species diffusion models</b> Reo Kai, Ryoichi Kurose (Kyoto University, Japan)
ICOPE-2023-1297	<b>Unsteady CFD analysis of the flame dynamic of hydrogen micromix combustion</b> Daniel Kroniger (Kawasaki Heavy Industries. Ltd., Japan), Hiromu Kamiya, Atsushi Horikawa (Kawasaki Heavy Industries, Ltd., Japan)
ICOPE-2023-1082	<b>Development of Liquid Ammonia Combustion Technology for Gas Turbine</b> Yusuke Komatsu, Shintaro Ito, Masahiro Uchida, Soichiro Kato, Atsushi Tanaka (IHI Corporation, Japan)

**P6-3. Advanced Combustion Technologies-3**

May 24 (Wed.), 13:50 - 15:35, Room F  
 Chair: **Ryoichi Kurose** (Kyoto university, Japan)  
 Co-Chair: **Masahito Saitou** (Kawasaki Heavy Industries, Ltd., Japan)

ICOPE-2023-1073	<b>Multi Stream Flamelet/Progress Variable (FPV) Modelling of Coal-NH3 Flame: Influence of Ammonia Injection Location on Flame Characteristics and NO emission</b> Sujeet Yadav, Panlong Yu, Hiroaki Watanabe (Kyushu University, Japan)
ICOPE-2023-1148 <a href="#">Other Comp.</a>	<b>Experimental study on the behavior of ash in oxyfuel circulating fluidized bed combustion of woody biomass</b> Hirohito Okuhara, Kunihiko Nakano, Shunichiro Ueno, Ryo Hanaoka, Takashi Kiga (IHI Corporation, Japan)
ICOPE-2023-1254	<b>Low NOx combustion method of ammonia co-firing in a pulverized coal boiler under conditions of high ammonia co-firing ratios</b> Juwei Zhang, Takamasa Ito, Train Kanaumi (IHI Corporation, Japan)

**Room G****P3-2. Renewable Energy-2**

May 24 (Wed.), 08:30 - 10:15, Room G  
 Chair: **Shoma Fujii** (The University of Tokyo, Japan)  
 Co-Chair: **Manabu Fuchihata** (Kindai University, Japan)

ICOPE-2023-1004	<b>Accelerating introduction of e-methane for carbon neutral city gas supply</b> Ryota Kuzuki, Mitsuhiro Kohara, Noboru Kizuki, Satoshi Yoshida, Hidetaka Hirai, Yuta Nezasa (The Japan Gas Association, Japan)
ICOPE-2023-1016 <a href="#">Other Comp.</a>	<b>Heat exchange performance of ground source heat pump using water well</b> Kai Horiguchi, Shingen Yamada, Shumpei Funatani, Tetsuaki Takeda (University of Yamanashi, Japan)
ICOPE-2023-1327	<b>Experimental study on heat transfer characteristics of composite phase change heat storage wall using photovoltaic-electric heating film technology for indoor heating</b> Chao Chen (Beijing University of Technology, China)
ICOPE-2023-1115	<b>Elucidation of the shape retention property and its mechanism during carbonization of high-hardness biomass briquettes</b> Manabu Fuchihata (Kindai University, Japan)
ICOPE-2023-1263	<b>Study on estimation of energy saving of wood chip drying system including bamboo assuming fast-growing trees</b> Hiroyuki Aso, Kiyotaka Fuji (FUKUOKA UNIVERSITY, Japan)

**P3-3. Renewable Energy-3**

May 24 (Wed.), 10:35 - 12:20, Room G  
 Chair: **Tetsuya Wakui** (Osaka Metropolitan University, Japan)  
 Co-Chair: **Yuichi Murai** (Hokkaido University, Japan)

ICOPE-2023-1171	<b>Horizontal Axis Wind Turbine Blade Design</b> Ryo S Amano (University of Wisconsin-Milwaukee, United States)
ICOPE-2023-1272	<b>Power generation by a spherical Savonius turbine operated in pipelines</b> Yuichi Murai, Takahiro Umemura, Hyun Jin Park, Yasufumi Horimoto, Yuji Tasaka (Hokkaido University, Japan)
ICOPE-2023-1280	<b>Load mitigation of floating offshore wind turbine-generator systems by combining preview wind-based feedforward and harmonic individual blade pitch manipulations</b> Tetsuya Wakui (Osaka Metropolitan University, Japan), Kouki Tanaka (Osaka Prefecture University, Japan), Ryohei Yokoyama (Osaka Metropolitan University, Japan)
ICOPE-2023-1083 <a href="#">Other Comp.</a>	<b>Assessment of wake effects on a floating offshore wind turbine</b> Koichiro Shibuya (Hitachi Zosen Corporation, Japan), Takanori Uchida (Kyushu University, Japan), Tadasuke Yoshida (Hitachi Zosen Corporation, Japan), Masaki Inui (Hitachi Zosen Corp., Japan), Shigeki Ohkubo (Hitachi Zosen Corporation, Japan), Yoshihiro Taniyama, Yuki Fukutani (Toshiba Energy Systems & Solutions Corporation, Japan)
ICOPE-2023-1094	<b>Study on the economic performance of solar-wind hybrid renewable energy system for power and hydrogen supply</b> Jingze Yang, Ziruo Lin, Hong Yao (Huazhong University of Science and Technology, China)

**Room H****P8-2. Materials Engineering for Energy Systems-2**

May 24 (Wed.), 08:30 - 10:15, Room H  
 Chair: **Yoshimitsu Tsumita** (IHI Corporation, Japan)  
 Co-Chair: **Yoichi Takeda** (Tohoku University, Japan)

ICOPE-2023-1041	<b>Effect of SO2 and H2O impurities on high-temperature corrosion of HR6W alloy in CO2</b> Tingshan Guo, Zhiyuan Liang, Qinxin Zhao (Xi'an Jiaotong University, China)
ICOPE-2023-1057	<b>Effect of bias voltage on microwave plasma chemical vapor deposition process</b> Di Yang, Ming Zhai, Tongyao Wang, Guannan Liu, Li Guo (Harbin Institute of Technology, China)
ICOPE-2023-1279	<b>Localized Oxidation Behavior of aged Alloy 617 in Supercritical Water and Superheated Steam Environment at 750°C</b> Yoichi Takeda, Seitaro Fujiwara, Susumu Nakano (Tohoku University, Japan)
ICOPE-2023-1313	<b>High-temperature corrosion behaviors of carbon steel in molten salt</b> Takahiro Ozawa (KOBEL STEEL, LTD., Japan)

<b>P5-3. Turbines and Generators-3</b>	
May 24 (Wed.), 10:35 - 12:20, Room H Chair: <b>Soichiro Tabata</b> (Mitsubishi heavy industries, Ltd., Japan) Co-Chair: <b>Koichi Yonezawa</b> (Central research institute of electric power industry, Japan)	
ICOPE-2023-1188 <small>Student Comp.</small>	<b>Effects of the heating rod on unsteady autoignition in turbulent hot air coflow</b> Guijun Liu, Yuxin Wu, Yang Zhang (Tsinghua University, China)
ICOPE-2023-1017	<b>Case studies of steam turbine retrofits where application of the latest technologies resulted in significant performance improvements</b> Daryl See Min Soh (Mitsubishi Heavy Industries, Ltd, Japan)
ICOPE-2023-1123	<b>Validation of a latest low-pressure steam turbine with a scaled model test turbine</b> Tadashi Takahashi, Soichiro Tabata, Hiromichi Kitahara, Yoshihiro Kuwamura, Jin Aoyagi (Mitsubishi Heavy Industries, LTD, Japan)
ICOPE-2023-1093	<b>Remote Monitoring of steam turbine Last Stage Blade by Blade Vibration Monitoring (BVM)</b> Kazuhiro Momma, Satoshi Miyake, Kazuhiro Tamura, Toshio Watanabe, Keiichiro Miyajima (Mitsubishi Heavy Industries, Ltd., Japan)

<b>P5-4. Turbines and Generators-4</b>	
May 24 (Wed.), 13:50 - 15:35, Room H Chair: <b>Yutaka Watanabe</b> (Central Research Institute of Electric Power Industry, Japan) Co-Chair: <b>Tadashi Takahashi</b> (Mitsubishi Heavy Industries, LTD, Japan)	
ICOPE-2023-1101	<b>Conjugated Heat Transfer Simulations in a Gas Turbine Considering Change of Combustion Gas Composition</b> Koichi Yonezawa (Central research institute of electric power industry, Japan), Koki Mizota, Kazuyasu Sugiyama (Osaka University, Japan), Shuichi Ohmori, Shuichi Umezawa (Tokyo Electric Power Company Holdings, Inc., Japan)
ICOPE-2023-1044	<b>Numerical Study of Heat Transfer in a Rotor-Stator Rim Sealing Cavity with Large Rotating Reynolds Number</b> Jibing Lan, Hongchen Zhao, Yongfeng Sui, Wei Zhang, Fasheng Zhang, Xuyang Zhao (Hangzhou Steam Turbine Co., Ltd, China)
ICOPE-2023-1181	<b>Comparison of Two Analytical Methods for Multi-Objective Optimization Start-Up Scheduling of a Combined-Cycle Steam Turbine</b> Ziwei Hu, Jianhong Chen (Zhejiang University, China)

### Room I

<b>P9-2. Operation, Maintenance and Diagnosis Technologies -2</b>	
May 24 (Wed.), 08:30 - 10:15, Room I Chair: <b>Hiroshi Naganuma</b> (Tohoku Electric Power Engineering & Construction, Co., Inc., Japan) Co-Chair: <b>Shuichi Umezawa</b> (Tokyo Electric Power Company Holdings, Inc., Japan)	
ICOPE-2023-1098	<b>Determination of Critical Spalling Strains for Steam-side Oxide Scales Formed on High-temperature Heating Tubes of Supercritical Coal-fired Boiler</b> Jianwen Xie (National Energy Group New Energy Technology Research Institute Co.Ltd, China), Keyi Zhou, Junlin Huang (Southeast University, China)
ICOPE-2023-1111	<b>"MEDICUS NAVI" operation/maintenance support system connecting customers and IHI</b> Hiroaki Hayase, Koi Shibata, Kosei Kawamura (IHI Corporation, Japan)
ICOPE-2023-1053	<b>Calculation of tube wall temperature, over temperature analysis and maintenance decision of platen superheater of a 600MW boiler</b> Kaixuan Yang, Yong Wang, Zhicheng Deng, Letian Li, Jia-Yin Chen, Pengtai Gu, Cengsi Zhong (Shanghai Power Equipment Research Institute Co.,Ltd, China)
<del>ICOPE-2023-1124</del>	<del><b>Calculation and Correction of Tube Wear of Economizer for a 670MW Supercritical Boiler</b></del> <del>Letian Li, Wei Zhuang, Yong Wang, Kaixuan Yang, Zhicheng Deng, Lin Wu, Pengtai Gu (Shanghai Power Equipment Research Institute Co., Ltd., China)</del>

<b>P4-3. Hydrogen Energy Technologies-3</b>	
May 24 (Wed.), 10:35 - 12:20, Room I Chair: <b>Akira Nishimura</b> (Mie University, Japan) Co-Chair: <b>Masashi Kishimoto</b> (Kyoto University, Japan)	
ICOPE-2023-1163	<b>Performance study of an innovative ammonia-fueled SOFC cogeneration power system for zero carbon emission ships</b> Yi Ma (Shanghai Jiao Tong University, China)
ICOPE-2023-1275 <small>Other Comp.</small>	<b>Development of Hydrogen Production by Methane Decomposition with Capturing Solid Carbon</b> Takuto Miyaura, Takamasa Ito (IHI Corporation, Japan)
ICOPE-2023-1104	<b>Three-dimensional Electrochemical Simulation of Nickel-Yttria Stabilized Zirconia Composite Degradation in Fuel Cell and Electrolysis Cell Operations</b> Takaaki Shimura (The University of Tokyo., Japan), Anna Sciazko, Yosuke Komatsu, Naoki Shikazono (The University of Tokyo, Japan)
ICOPE-2023-1045 <small>Other Comp.</small>	<b>Visualization of Oxide Ion Incorporation in LSCM-based Fuel Electrodes of SOEC during CO2 Electrolysis</b> Koji Takahashi, Tsuyoshi Nagasawa (Tokyo Institute of Technology, Japan), Merika Chanthanutaporn (Chulalongkorn University, Thailand), Katsunori Hanamura (Tokyo Institute of Technology, Japan)

### New Hall

<b>Banquet</b> May 24 (Wed.), 18:30 - 21:00, New Hall
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### May 25 (Thu.)

<b>Room A</b>	
<b>P7-5. Thermal Hydraulics, Boiling and Condensation-5</b>	
May 25 (Thu.), 08:30 - 10:15, Room A Chair: <b>Takashi Mawatari</b> (Toshiba Energy Systems & Solutions Corporation, Japan) Co-Chair: <b>Akira Suami</b> (Gifu University, Japan)	
ICOPE-2023-1031	<b>Effects of surface roughness and pressure on pool boiling heat transfer for a ribbon heater in water</b> Qilusheng Liu, Yuan Gu, Makoto Shibahara (Kobe University, Japan)
ICOPE-2023-1259	<b>Effect of tube-to-tube distance on falling liquid film evaporation heat transfer</b> Sho Fukuda (Kyushu sangyo university, Japan), Kazushi Miyata (Fukuoka University, Japan), Shuichi Umezawa (Tokyo Electric Power Company Holdings, Japan)
ICOPE-2023-1140	<b>PDA measurements on evaporative water spray with high-temperature water supply conditions</b> Naoki Kobayashi (Gunma university, Japan), Shuichi Ohmori, Shuichi Umezawa (Tokyo Electric Power Company Holdings, Inc., Japan), Hisanobu Kawshima, Tsuneaki Ishima (Gunma university, Japan)

**P7-6. Thermal Hydraulics, Boiling and Condensation-6**

May 25 (Thu.), 10:35 - 12:20, Room A

Chair: **Atsushi Horikawa** (Kawasaki Heavy Industries, Ltd., Japan)Co-Chair: **Yuso Oki** (Central Research Institute of Electric Power Industry, Japan)

ICOPE-2023-1285 <a href="#">Other Comp.</a>	<b>High-frequency oscillation of vapor bubbles in microbubble emission boiling</b> Akira Otake, Mirei Hayashi, Hotaka Kobayashi, Kizuku Kurose, Ichiro Ueno (Tokyo University of Science, Japan)
ICOPE-2023-1298 <a href="#">Other Comp.</a>	<b>Verification of pressure loss evaluation method for high temperature and high pressure evaporator tubes including subcooled boiling region</b> Yuta Watanabe, Yoshitaka Nakayama, Hiroyuki Nakaharai, Kazuhiro Domoto, Akira Yamada (Mitsubishi Heavy Industries, Ltd., Japan), Mamoru Ozawa (Kansai University, Japan)
ICOPE-2023-1269	<b>Two-Phase Flow Pressure Drop of R454C inside a 3.5 mm OD Horizontal Microfin Tube</b> Ubudiyah Hakimatul, Sugita I Wayan (Saga University, Japan), Mainil Afdhal Kurniawan (Universitas Bengkulu, Indonesia), Kariya Keishi, Miyara Akio (Saga University, Japan)
ICOPE-2023-1319	<b>Experimental and Numerical Investigation on Boiling Enhancement by Expanding Channel Surfaces Coupled With Metal Foam</b> Shaobo Yang (The University of Tokyo, Japan), Sihui Hong (The Sun Yat-Sen University, China), Chaobin Dang (Fukui University, Japan), Yu Chen (東京大学, Japan)

**Room D****ICOPE-2023 Closing Session**

May 25 (Thu.), 15:55 - 17:40, Room D

**Room G****P2-3. Distributed Energy Systems-3**

May 25 (Thu.), 10:35 - 12:20, Room G

Chair: **Hitoshi Asano** (Kobe University, Japan)Co-Chair: **Fumihiko Yoshida** (Central Research Institute of Electric Power Industry, Japan)

ICOPE-2023-1276 <a href="#">Other Comp.</a>	<b>Study on operational method of virtual power plant for distributed energy system having energy storage</b> Akira Yoshida, Yoshiharu Amano (Waseda University, Japan)
ICOPE-2023-1150	<b>Impacts and Synergies of Photovoltaic and Electric Vehicles Integration within an Energy Community in Central Stockholm</b> Filippo Padovani, Priscila Costa Nascimento, Monika Topel Capriles, Björn Laumert (KTH Royal Institute of Technology, Sweden)

**ICOPE-2023 Award Meeting**

May 25 (Thu.), 13:50 - 15:35, Room G

**Room H****P11-4. Environmental Protection-4**

May 25 (Thu.), 10:35 - 12:20, Room H

Chair: **Takayuki Torikai** (Toshiba Corp., Japan)Co-Chair: **Masanobu Watanabe** (Toshiba Corp., Japan)

ICOPE-2023-1196	<b>Mechanistic analysis of CO-SCR experimental studies with loaded Fe-Cu bimetallic composite catalysts</b> Shiyuan Ran, Na Li, Chenyang Wu, Yuqing Pan, Qulan Zhou (Xi'an Jiaotong University, China)
ICOPE-2023-1242	<b>Experimental and first principle study on photocatalytic CO<sub>2</sub> reduction over N, Eu co-doped TiO<sub>2</sub></b> Wenfei Zhang, Qulan Zhou, Na Li, Mingtao Li (Xi'an Jiaotong University, China)
ICOPE-2023-1273 <a href="#">Other Comp.</a>	<b>The effect of catalyst on pyrolysis behavior of cotton and PE fiber for waste fiber reusing</b> Akira Suami, Nobusuke Kobayashi, Yoshinori Itaya (Gifu University, Japan)
ICOPE-2023-1247	<b>Comparison between plasma melting and oxygen-enriched melting to dispose municipal solid waste fly ash</b> Yike Zhang (Ningbo Innovation Center, Zhejiang University, China), Zengyi Ma, Zhiping Huang, Weiyang Zhou, Peng Rui, Jingqi Sun, Penglin Ma, Jiadong Zhang (Zhejiang University, China)

**Room I****P9-3. Operation, Maintenance and Diagnosis Technologies -3**

May 25 (Thu.), 10:35 - 12:20, Room I

Chair: **Yoshiharu Amano** (Waseda University, Japan)Co-Chair: **Koichi Yonezawa** (Central research institute of electric power industry, Japan)

ICOPE-2023-1125	<b>Study on flow rate calculation equation for the heater method</b> Shuichi Umezawa (Tokyo Electric Power Company Holdings, Japan), Kazushi Miyata (Fukuoka University, Japan), Shuichi Ohmori (Tokyo Electric Power Company Holdings, Japan)
ICOPE-2023-1294 <a href="#">Other Comp.</a>	<b>Investigation of estimation method for amount of ingesting free-settling spherical particles at downward air inlet</b> Takayuki Ozeki, Eiji Sakai, Hiroyuki Nishida, Noriyuki Mori (Central Research Institute of Electric Power Industry, Japan)
ICOPE-2023-1241	<b>Ash deposition and corrosion mechanisms of tubes in Waste-to-Energy plants</b> Hiroshi Naganuma, Akihiro Sawada, Takehito Mori, Sho Watanabe, Taeko Goto (Tohoku Electric Power Engineering & Construction, Co., Inc., Japan), Yasuaki Ueki, Ryo Yoshiie, Ichiro Naruse (Nagoya University, Japan)



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Hirasawa, Taro	ICOPE-2023-1145	P6-1	May 23 (Tue.), 13:50,	Room F
Hirata, Katsuya	ICOPE-2023-1034	P7-3	May 23 (Tue.), 15:55,	Room G
Hong, Sihui	ICOPE-2023-1319	P7-6	May 25 (Thu.), 10:35,	Room A

Horiguchi, Kai	ICOPE-2023-1016	P3-2	May 24 (Wed.), 08:30,	Room G
Horikawa, Atsushi	ICOPE-2023-1297	P6-2	May 24 (Wed.), 10:35,	Room F
Horikawa, Atsushi	ICOPE-2023-1299	P4-2	May 23 (Tue.), 13:50,	Room I
Horikawa, Atsushi	ICOPE-2023-1311	P4-2	May 23 (Tue.), 13:50,	Room I
Horimoto, Yasufumi	ICOPE-2023-1272	P3-3	May 24 (Wed.), 10:35,	Room G
Hosokai, Sou	ICOPE-2023-1021	P0-2	May 23 (Tue.), 10:35,	Room B-1
Hu, Song	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Hu, Ziwei	ICOPE-2023-1181	P5-4	May 24 (Wed.), 13:50,	Room H
Huang, Junlin	ICOPE-2023-1098	P9-2	May 24 (Wed.), 08:30,	Room I
Huang, Zhiping	ICOPE-2023-1247	P11-4	May 25 (Thu.), 10:35,	Room H
Ichinose, Tatsuki	ICOPE-2023-1065	P7-1	May 23 (Tue.), 10:35,	Room G
Ino, Kanta	ICOPE-2023-1249	P9-1	May 23 (Tue.), 15:55,	Room I
Inui, Masaki	ICOPE-2023-1083	P3-3	May 24 (Wed.), 10:35,	Room G
Ise, Takuya	ICOPE-2023-1065	P7-1	May 23 (Tue.), 10:35,	Room G
Ishii, Hiroki	ICOPE-2023-1110	P0-3	May 24 (Wed.), 08:30,	Room B-1
Ishii, Kazuhiro	ICOPE-2023-1132	P4-2	May 23 (Tue.), 13:50,	Room I
Ishima, Tsuneaki	ICOPE-2023-1140	P7-5	May 25 (Thu.), 08:30,	Room A
Ishimura, Yuki	ICOPE-2023-1299	P4-2	May 23 (Tue.), 13:50,	Room I
Isogai, Hirotaka	ICOPE-2023-1067	P11-1	May 23 (Tue.), 08:30,	Room H
Itaya, Yoshinori	ICOPE-2023-1273	P11-4	May 25 (Thu.), 10:35,	Room H
Itaya, Yoshinori	ICOPE-2023-1291	P0-1	May 23 (Tue.), 08:30,	Room B-1
Ito, Shintaro	ICOPE-2023-1082	P6-2	May 24 (Wed.), 10:35,	Room F
Ito, Syogo	ICOPE-2023-1011	P4-1	May 23 (Tue.), 10:35,	Room I
Ito, Takamasa	ICOPE-2023-1254	P6-3	May 24 (Wed.), 13:50,	Room F
Ito, Takamasa	ICOPE-2023-1275	P4-3	May 24 (Wed.), 10:35,	Room I
Iwaki, Chikako	ICOPE-2023-1070	P0-2	May 23 (Tue.), 10:35,	Room B-1
Iwaki, Chikako	ICOPE-2023-1080	P0-2	May 23 (Tue.), 10:35,	Room B-1
Iwasaki, Shugo	ICOPE-2023-1295	P10-2	May 24 (Wed.), 08:30,	Room F
I Wayan, Sugita	ICOPE-2023-1269	P7-6	May 25 (Thu.), 10:35,	Room A
Ji, Chenzhen	ICOPE-2023-1108	P4-1	May 23 (Tue.), 10:35,	Room I
Jiang, Long	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Jiang, Xuguang	ICOPE-2023-1092	P11-1	May 23 (Tue.), 08:30,	Room H
Jiao, Shuai	ICOPE-2023-1088	P2-1	May 23 (Tue.), 13:50,	Room B-1
Jo, Byeongnam	ICOPE-2023-1118	P0-2	May 23 (Tue.), 10:35,	Room B-1
Jo, Byeongnam	ICOPE-2023-1128	P8-1	May 23 (Tue.), 13:50,	Room H
Joshi, Jaykumar	ICOPE-2023-1320	P7-2	May 23 (Tue.), 13:50,	Room G
Jung, Sunjin	ICOPE-2023-1128	P8-1	May 23 (Tue.), 13:50,	Room H
Junggeburth, Tessa	ICOPE-2023-1028	P0-1	May 23 (Tue.), 08:30,	Room B-1
Kai, Reo	ICOPE-2023-1169	P6-2	May 24 (Wed.), 10:35,	Room F
Kamiya, Hiromu	ICOPE-2023-1297	P6-2	May 24 (Wed.), 10:35,	Room F
Kanaumi, Tralin	ICOPE-2023-1254	P6-3	May 24 (Wed.), 13:50,	Room F
Kaneko, Akiko	ICOPE-2023-1252	P7-1	May 23 (Tue.), 10:35,	Room G
Kaneko, Akiko	ICOPE-2023-1260	P7-2	May 23 (Tue.), 13:50,	Room G
Kaneko, Tomomi	ICOPE-2023-1071	P2-2	May 23 (Tue.), 15:55,	Room B-1
Kashima, Sumiko	ICOPE-2023-1018	P7-1	May 23 (Tue.), 10:35,	Room G
Kato, Naoto	ICOPE-2023-1270	P3-1	May 23 (Tue.), 08:30,	Room I
Kato, Soichiro	ICOPE-2023-1082	P6-2	May 24 (Wed.), 10:35,	Room F
Kato, Yuichi	ICOPE-2023-1134	P8-1	May 23 (Tue.), 13:50,	Room H
Kato, Yukitaka	ICOPE-2023-1038	P0-1	May 23 (Tue.), 08:30,	Room B-1
Kato, Yukitaka	ICOPE-2023-1087	P0-1	May 23 (Tue.), 08:30,	Room B-1
Kawamizu, Tsutomu	ICOPE-2023-1295	P10-2	May 24 (Wed.), 08:30,	Room F
Kawamura, Kosei	ICOPE-2023-1111	P9-2	May 24 (Wed.), 08:30,	Room I
Kawashima, Daisuke	ICOPE-2023-1249	P9-1	May 23 (Tue.), 15:55,	Room I
Kawshima, Hisanobu	ICOPE-2023-1140	P7-5	May 25 (Thu.), 08:30,	Room A
Keishi, Kariya	ICOPE-2023-1269	P7-6	May 25 (Thu.), 10:35,	Room A
Kidoguchi, Kazuhiro	ICOPE-2023-1318	P1-1	May 23 (Tue.), 08:30,	Room G
Kiga, Takashi	ICOPE-2023-1148	P6-3	May 24 (Wed.), 13:50,	Room F
Kim, Somin	ICOPE-2023-1118	P0-2	May 23 (Tue.), 10:35,	Room B-1
Kim, Somin	ICOPE-2023-1128	P8-1	May 23 (Tue.), 13:50,	Room H
Kim, Yuhyeok	ICOPE-2023-1128	P8-1	May 23 (Tue.), 13:50,	Room H
Kishi, Sota	ICOPE-2023-1317	P2-1	May 23 (Tue.), 13:50,	Room B-1

Kitahara, Hiromichi	ICOPE-2023-1123	P5-3	May 24 (Wed.), 10:35,	Room H
Kiuta, Kazushige	ICOPE-2023-1071	P2-2	May 23 (Tue.), 15:55,	Room B-1
Kizuki, Noboru	ICOPE-2023-1004	P3-2	May 24 (Wed.), 08:30,	Room G
Kobayashi, Hotaka	ICOPE-2023-1285	P7-6	May 25 (Thu.), 10:35,	Room A
Kobayashi, Naoki	ICOPE-2023-1140	P7-5	May 25 (Thu.), 08:30,	Room A
Kobayashi, Nobusuke	ICOPE-2023-1273	P11-4	May 25 (Thu.), 10:35,	Room H
Kobayashi, Nobusuke	ICOPE-2023-1291	P0-1	May 23 (Tue.), 08:30,	Room B-1
Kohara, Mitsuhiro	ICOPE-2023-1004	P3-2	May 24 (Wed.), 08:30,	Room G
Koike, Toshiyasu	ICOPE-2023-1183	P10-1	May 23 (Tue.), 15:55,	Room F
Komatsu, Yosuke	ICOPE-2023-1104	P4-3	May 24 (Wed.), 10:35,	Room I
Komatsu, Yusuke	ICOPE-2023-1082	P6-2	May 24 (Wed.), 10:35,	Room F
Kouchi, Toshinori	ICOPE-2023-1268	P7-2	May 23 (Tue.), 13:50,	Room G
Kouchi, Toshinori	ICOPE-2023-1274	P7-3	May 23 (Tue.), 15:55,	Room G
Kozaki, Takahiro	ICOPE-2023-1110	P0-3	May 24 (Wed.), 08:30,	Room B-1
Kozuma, Tomiaki	ICOPE-2023-1132	P4-2	May 23 (Tue.), 13:50,	Room I
Kroniger, Daniel	ICOPE-2023-1297	P6-2	May 24 (Wed.), 10:35,	Room F
Kurose, Kizuku	ICOPE-2023-1065	P7-1	May 23 (Tue.), 10:35,	Room G
Kurose, Kizuku	ICOPE-2023-1076	P7-4	May 24 (Wed.), 13:50,	Room B-1
Kurose, Kizuku	ICOPE-2023-1285	P7-6	May 25 (Thu.), 10:35,	Room A
Kurose, Ryoichi	ICOPE-2023-1169	P6-2	May 24 (Wed.), 10:35,	Room F
Kusterer, Karsten	ICOPE-2023-1299	P4-2	May 23 (Tue.), 13:50,	Room I
Kuwamura, Yoshihiro	ICOPE-2023-1123	P5-3	May 24 (Wed.), 10:35,	Room H
Kuzukami, Sho	ICOPE-2023-1087	P0-1	May 23 (Tue.), 08:30,	Room B-1
Kuzuki, Ryota	ICOPE-2023-1004	P3-2	May 24 (Wed.), 08:30,	Room G
Lan, Jibing	ICOPE-2023-1044	P5-4	May 24 (Wed.), 13:50,	Room H
Laumert, Björn	ICOPE-2023-1130	P0-1	May 23 (Tue.), 08:30,	Room B-1
Laumert, Björn	ICOPE-2023-1150	P2-3	May 25 (Thu.), 10:35,	Room G
Lee, Cheeho	ICOPE-2023-1118	P0-2	May 23 (Tue.), 10:35,	Room B-1
Lee, Jaejun	ICOPE-2023-1118	P0-2	May 23 (Tue.), 10:35,	Room B-1
Li, Aishu	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Li, Chengyi	ICOPE-2023-1257	P2-1	May 23 (Tue.), 13:50,	Room B-1
Li, Dongyang	ICOPE-2023-1006	P10-2	May 24 (Wed.), 08:30,	Room F
Li, Fei	ICOPE-2023-1245	P11-2	May 23 (Tue.), 10:35,	Room H
Li, Hongxian	ICOPE-2023-1081	P11-3	May 23 (Tue.), 15:55,	Room H
Li, Jinxing	ICOPE-2023-1096	P5-2	May 23 (Tue.), 10:35,	Room F
Li, Ke	ICOPE-2023-1149	P11-2	May 23 (Tue.), 10:35,	Room H
Li, Letian	ICOPE-2023-1009	P11-3	May 23 (Tue.), 15:55,	Room H
Li, Letian	ICOPE-2023-1040	P9-1	May 23 (Tue.), 15:55,	Room I
Li, Letian	ICOPE-2023-1053	P9-2	May 24 (Wed.), 08:30,	Room I
<del>Li, Letian</del>	<del>ICOPE-2023-1124</del>	<del>P9-2</del>	<del>May 24 (Wed.), 08:30,</del>	<del>Room I</del>
Li, Mingtao	ICOPE-2023-1242	P11-4	May 25 (Thu.), 10:35,	Room H
Li, Na	ICOPE-2023-1027	P9-1	May 23 (Tue.), 15:55,	Room I
Li, Na	ICOPE-2023-1048	P11-1	May 23 (Tue.), 08:30,	Room H
Li, Na	ICOPE-2023-1064	P3-1	May 23 (Tue.), 08:30,	Room I
Li, Na	ICOPE-2023-1149	P11-2	May 23 (Tue.), 10:35,	Room H
Li, Na	ICOPE-2023-1177	P9-1	May 23 (Tue.), 15:55,	Room I
Li, Na	ICOPE-2023-1196	P11-4	May 25 (Thu.), 10:35,	Room H
Li, Na	ICOPE-2023-1242	P11-4	May 25 (Thu.), 10:35,	Room H
Li, Xian	ICOPE-2023-1085	P6-1	May 23 (Tue.), 13:50,	Room F
Li, Xian	ICOPE-2023-1120	P11-1	May 23 (Tue.), 08:30,	Room H
Li, Xian	ICOPE-2023-1190	P10-1	May 23 (Tue.), 15:55,	Room F
Li, Xiaoran	ICOPE-2023-1257	P2-1	May 23 (Tue.), 13:50,	Room B-1
Li, Yanqi	ICOPE-2023-1079	P11-1	May 23 (Tue.), 08:30,	Room H
Li, Yanqi	ICOPE-2023-1245	P11-2	May 23 (Tue.), 10:35,	Room H
Li, Zerui	ICOPE-2023-1245	P11-2	May 23 (Tue.), 10:35,	Room H
<del>Li, Zhi</del>	<del>ICOPE-2023-1061</del>	<del>P9-1</del>	<del>May 23 (Tue.), 15:55,</del>	<del>Room I</del>
Liang, Zhiyuan	ICOPE-2023-1041	P8-2	May 24 (Wed.), 08:30,	Room H
Liao, Guangqing	ICOPE-2023-1068	P5-2	May 23 (Tue.), 10:35,	Room F
Lin, Ziruo	ICOPE-2023-1094	P3-3	May 24 (Wed.), 10:35,	Room G
Linder, Marc	ICOPE-2023-1167	P0-2	May 23 (Tue.), 10:35,	Room B-1
Liu, Cheng	ICOPE-2023-1326	P2-2	May 23 (Tue.), 15:55,	Room B-1

Liu, Guannan	ICOPE-2023-1057	P8-2	May 24 (Wed.), 08:30,	Room H
Liu, Guannan	ICOPE-2023-1058	P6-2	May 24 (Wed.), 10:35,	Room F
Liu, Guijun	ICOPE-2023-1188	P5-3	May 24 (Wed.), 10:35,	Room H
Liu, Jun	ICOPE-2023-1056	P7-4	May 24 (Wed.), 13:50,	Room B-1
Liu, Miaomiao	ICOPE-2023-1086	P10-1	May 23 (Tue.), 15:55,	Room F
Liu, Ming	ICOPE-2023-1086	P10-1	May 23 (Tue.), 15:55,	Room F
Liu, Ming	ICOPE-2023-1088	P2-1	May 23 (Tue.), 13:50,	Room B-1
Liu, Panfeng	ICOPE-2023-1064	P3-1	May 23 (Tue.), 08:30,	Room I
Liu, Qiusheng	ICOPE-2023-1031	P7-5	May 25 (Thu.), 08:30,	Room A
Liu, Shicheng	ICOPE-2023-1048	P11-1	May 23 (Tue.), 08:30,	Room H
Liu, Wei	ICOPE-2023-1281	P7-3	May 23 (Tue.), 15:55,	Room G
Liu, Xiaowei	ICOPE-2023-1178	P6-1	May 23 (Tue.), 13:50,	Room F
Liu, Xiaoyan	ICOPE-2023-1006	P10-2	May 24 (Wed.), 08:30,	Room F
Liu, Yupeng	ICOPE-2023-1068	P5-2	May 23 (Tue.), 10:35,	Room F
Liu, Yupeng	ICOPE-2023-1091	P5-1	May 23 (Tue.), 08:30,	Room F
Liu, Yupeng	ICOPE-2023-1095	P5-2	May 23 (Tue.), 10:35,	Room F
Liu, Zhichun	ICOPE-2023-1281	P7-3	May 23 (Tue.), 15:55,	Room G
Liu, Zhufeng	ICOPE-2023-1091	P5-1	May 23 (Tue.), 08:30,	Room F
Lu, Jueran	ICOPE-2023-1147	P5-2	May 23 (Tue.), 10:35,	Room F
Lu, Shengyong	ICOPE-2023-1081	P11-3	May 23 (Tue.), 15:55,	Room H
Lu, Wanpeng	ICOPE-2023-1079	P11-1	May 23 (Tue.), 08:30,	Room H
Luo, Guangqian	ICOPE-2023-1085	P6-1	May 23 (Tue.), 13:50,	Room F
Luo, Guangqian	ICOPE-2023-1190	P10-1	May 23 (Tue.), 15:55,	Room F
Luo, Guangqian	ICOPE-2023-1191	P11-2	May 23 (Tue.), 10:35,	Room H
Luo, Qian Guang	ICOPE-2023-1120	P11-1	May 23 (Tue.), 08:30,	Room H
Luo, Zixue	ICOPE-2023-1052	P11-3	May 23 (Tue.), 15:55,	Room H
Lv, Min	ICOPE-2023-1190	P10-1	May 23 (Tue.), 15:55,	Room F
Lv, Xiaojing	ICOPE-2023-1114	P5-1	May 23 (Tue.), 08:30,	Room F
Lv, Xiaojing	ICOPE-2023-1117	P5-1	May 23 (Tue.), 08:30,	Room F
Lv, Xiaojing	ICOPE-2023-1146	P2-2	May 23 (Tue.), 15:55,	Room B-1
Ma, Huan	ICOPE-2023-1105	P7-1	May 23 (Tue.), 10:35,	Room G
Ma, Penglin	ICOPE-2023-1247	P11-4	May 25 (Thu.), 10:35,	Room H
Ma, Yi	ICOPE-2023-1163	P4-3	May 24 (Wed.), 10:35,	Room I
Ma, Zengyi	ICOPE-2023-1247	P11-4	May 25 (Thu.), 10:35,	Room H
Ma, Zengyi	ICOPE-2023-1266	P11-2	May 23 (Tue.), 10:35,	Room H
Maeda, Haruki	ICOPE-2023-1110	P0-3	May 24 (Wed.), 08:30,	Room B-1
Makino, Daiki	ICOPE-2023-1035	P2-1	May 23 (Tue.), 13:50,	Room B-1
Mashamba, Takudzwa Martin	ICOPE-2023-1166	P4-2	May 23 (Tue.), 13:50,	Room I
Masumbuko, Robert Karisa	ICOPE-2023-1291	P0-1	May 23 (Tue.), 08:30,	Room B-1
Matsuda, Naoya	ICOPE-2023-1070	P0-2	May 23 (Tue.), 10:35,	Room B-1
Matsuda, Naoya	ICOPE-2023-1080	P0-2	May 23 (Tue.), 10:35,	Room B-1
Matsuda, Naoya	ICOPE-2023-1109	P0-3	May 24 (Wed.), 08:30,	Room B-1
Matsuzaki, Hodaka	ICOPE-2023-1139	P3-1	May 23 (Tue.), 08:30,	Room I
Mawatari, Takashi	ICOPE-2023-1070	P0-2	May 23 (Tue.), 10:35,	Room B-1
Mawatari, Takashi	ICOPE-2023-1080	P0-2	May 23 (Tue.), 10:35,	Room B-1
Mi, Xicong	ICOPE-2023-1146	P2-2	May 23 (Tue.), 15:55,	Room B-1
Miao, Jingwen	ICOPE-2023-1006	P10-2	May 24 (Wed.), 08:30,	Room F
Miki, Hiromutsu	ICOPE-2023-1070	P0-2	May 23 (Tue.), 10:35,	Room B-1
Miki, Hiromutsu	ICOPE-2023-1080	P0-2	May 23 (Tue.), 10:35,	Room B-1
Miki, Hiromutsu	ICOPE-2023-1109	P0-3	May 24 (Wed.), 08:30,	Room B-1
Miwa, Fuki	ICOPE-2023-1131	P6-1	May 23 (Tue.), 13:50,	Room F
Miwa, Reo	ICOPE-2023-1018	P7-1	May 23 (Tue.), 10:35,	Room G
Miwa, Reo	ICOPE-2023-1036	P7-2	May 23 (Tue.), 13:50,	Room G
Miyajima, Keiichiro	ICOPE-2023-1093	P5-3	May 24 (Wed.), 10:35,	Room H
Miyake, Satoshi	ICOPE-2023-1093	P5-3	May 24 (Wed.), 10:35,	Room H
Miyanaga, Norifumi	ICOPE-2023-1036	P7-2	May 23 (Tue.), 13:50,	Room G
Miyata, Kazushi	ICOPE-2023-1076	P7-4	May 24 (Wed.), 13:50,	Room B-1
Miyata, Kazushi	ICOPE-2023-1125	P9-3	May 25 (Thu.), 10:35,	Room I
Miyata, Kazushi	ICOPE-2023-1259	P7-5	May 25 (Thu.), 08:30,	Room A
Miyaura, Takuto	ICOPE-2023-1275	P4-3	May 24 (Wed.), 10:35,	Room I
Mizota, Koki	ICOPE-2023-1101	P5-4	May 24 (Wed.), 13:50,	Room H

Momma, Kazuhiro	ICOPE-2023-1093	P5-3	May 24 (Wed.), 10:35,	Room H
Mori, Noriyuki	ICOPE-2023-1294	P9-3	May 25 (Thu.), 10:35,	Room I
Mori, Takehito	ICOPE-2023-1241	P9-3	May 25 (Thu.), 10:35,	Room I
Morishita, Shin	ICOPE-2023-1183	P10-1	May 23 (Tue.), 15:55,	Room F
Murai, Yuichi	ICOPE-2023-1272	P3-3	May 24 (Wed.), 10:35,	Room G
Naganuma, Hiroshi	ICOPE-2023-1241	P9-3	May 25 (Thu.), 10:35,	Room I
Nagasawa, Tsuyoshi	ICOPE-2023-1045	P4-3	May 24 (Wed.), 10:35,	Room I
Nakagaki, Takao	ICOPE-2023-1014	P2-2	May 23 (Tue.), 15:55,	Room B-1
Nakagaki, Takao	ICOPE-2023-1067	P11-1	May 23 (Tue.), 08:30,	Room H
Nakagaki, Takao	ICOPE-2023-1112	P4-1	May 23 (Tue.), 10:35,	Room I
Nakaharai, Hiroyuki	ICOPE-2023-1298	P7-6	May 25 (Thu.), 10:35,	Room A
Nakahata, Motohiro	ICOPE-2023-1252	P7-1	May 23 (Tue.), 10:35,	Room G
Nakano, Kunihiko	ICOPE-2023-1148	P6-3	May 24 (Wed.), 13:50,	Room F
Nakano, Susumu	ICOPE-2023-1134	P8-1	May 23 (Tue.), 13:50,	Room H
Nakano, Susumu	ICOPE-2023-1279	P8-2	May 24 (Wed.), 08:30,	Room H
Nakayama, Yoshitaka	ICOPE-2023-1298	P7-6	May 25 (Thu.), 10:35,	Room A
Naruse, Ichiro	ICOPE-2023-1241	P9-3	May 25 (Thu.), 10:35,	Room I
Nezasa, Yuta	ICOPE-2023-1004	P3-2	May 24 (Wed.), 08:30,	Room G
Niizuma, Hiroki	ICOPE-2023-1036	P7-2	May 23 (Tue.), 13:50,	Room G
Nishibe, Shohei	ICOPE-2023-1296	P11-3	May 23 (Tue.), 15:55,	Room H
Nishida, Hiroyuki	ICOPE-2023-1294	P9-3	May 25 (Thu.), 10:35,	Room I
Nishimura, Akira	ICOPE-2023-1011	P4-1	May 23 (Tue.), 10:35,	Room I
Numaguchi, Ryohei	ICOPE-2023-1296	P11-3	May 23 (Tue.), 15:55,	Room H
Ogino, Tomoyuki	ICOPE-2023-1299	P4-2	May 23 (Tue.), 13:50,	Room I
Ohkubo, Shigeki	ICOPE-2023-1083	P3-3	May 24 (Wed.), 10:35,	Room G
Ohmori, Shuichi	ICOPE-2023-1076	P7-4	May 24 (Wed.), 13:50,	Room B-1
Ohmori, Shuichi	ICOPE-2023-1101	P5-4	May 24 (Wed.), 13:50,	Room H
Ohmori, Shuichi	ICOPE-2023-1125	P9-3	May 25 (Thu.), 10:35,	Room I
Ohmori, Shuichi	ICOPE-2023-1140	P7-5	May 25 (Thu.), 08:30,	Room A
Okabe, Shigeto	ICOPE-2023-1129	P7-3	May 23 (Tue.), 15:55,	Room G
Okada, Kunio	ICOPE-2023-1311	P4-2	May 23 (Tue.), 13:50,	Room I
Okuhara, Hirohito	ICOPE-2023-1148	P6-3	May 24 (Wed.), 13:50,	Room F
Okumura, Takeshi	ICOPE-2023-1296	P11-3	May 23 (Tue.), 15:55,	Room H
Okuyama, Ikki	ICOPE-2023-1270	P3-1	May 23 (Tue.), 08:30,	Room I
Ono, Koji	ICOPE-2023-1036	P7-2	May 23 (Tue.), 13:50,	Room G
Ota, Yukitoshi	ICOPE-2023-1070	P0-2	May 23 (Tue.), 10:35,	Room B-1
Otaka, Toshio	ICOPE-2023-1035	P2-1	May 23 (Tue.), 13:50,	Room B-1
Otake, Akira	ICOPE-2023-1285	P7-6	May 25 (Thu.), 10:35,	Room A
Ozawa, Mamoru	ICOPE-2023-1298	P7-6	May 25 (Thu.), 10:35,	Room A
Ozawa, Takahiro	ICOPE-2023-1313	P8-2	May 24 (Wed.), 08:30,	Room H
Ozeki, Takayuki	ICOPE-2023-1294	P9-3	May 25 (Thu.), 10:35,	Room I
Padovani, Filippo	ICOPE-2023-1130	P0-1	May 23 (Tue.), 08:30,	Room B-1
Padovani, Filippo	ICOPE-2023-1150	P2-3	May 25 (Thu.), 10:35,	Room G
Pan, Yuqing	ICOPE-2023-1149	P11-2	May 23 (Tue.), 10:35,	Room H
Pan, Yuqing	ICOPE-2023-1196	P11-4	May 25 (Thu.), 10:35,	Room H
Park, Hyun Jin	ICOPE-2023-1272	P3-3	May 24 (Wed.), 10:35,	Room G
Park, Seunghee	ICOPE-2023-1118	P0-2	May 23 (Tue.), 10:35,	Room B-1
Pham, Khanhson	ICOPE-2023-1295	P10-2	May 24 (Wed.), 08:30,	Room F
Prayitno, Yosephus Ardean Kurnianto	ICOPE-2023-1249	P9-1	May 23 (Tue.), 15:55,	Room I
Qiu, Wencong	ICOPE-2023-1191	P11-2	May 23 (Tue.), 10:35,	Room H
Qiu, Zhilong	ICOPE-2023-1095	P5-2	May 23 (Tue.), 10:35,	Room F
Ran, Shiyuan	ICOPE-2023-1149	P11-2	May 23 (Tue.), 10:35,	Room H
Ran, Shiyuan	ICOPE-2023-1196	P11-4	May 25 (Thu.), 10:35,	Room H
Rezaei, Mostafa	ICOPE-2023-1261	P10-1	May 23 (Tue.), 15:55,	Room F
Rui, Peng	ICOPE-2023-1247	P11-4	May 25 (Thu.), 10:35,	Room H
Rui, Peng	ICOPE-2023-1266	P11-2	May 23 (Tue.), 10:35,	Room H
Saeki, Hiroshi	ICOPE-2023-1070	P0-2	May 23 (Tue.), 10:35,	Room B-1
Sahu, Santosh Kumar	ICOPE-2023-1320	P7-2	May 23 (Tue.), 13:50,	Room G
Saita, Itoko	ICOPE-2023-1021	P0-2	May 23 (Tue.), 10:35,	Room B-1
Saito, Koki	ICOPE-2023-1067	P11-1	May 23 (Tue.), 08:30,	Room H
Saito, Sogo	ICOPE-2023-1014	P2-2	May 23 (Tue.), 15:55,	Room B-1



Sakai, Eiji	ICOPE-2023-1294	P9-3	May 25 (Thu.), 10:35,	Room I
Sato, Keisuke	ICOPE-2023-1318	P1-1	May 23 (Tue.), 08:30,	Room G
Sato, Masayuki	ICOPE-2023-1070	P0-2	May 23 (Tue.), 10:35,	Room B-1
Sato, Ryotaro	ICOPE-2023-1011	P4-1	May 23 (Tue.), 10:35,	Room I
Sato, Yui	ICOPE-2023-1018	P7-1	May 23 (Tue.), 10:35,	Room G
Sato, Yui	ICOPE-2023-1036	P7-2	May 23 (Tue.), 13:50,	Room G
Sawada, Akihiro	ICOPE-2023-1241	P9-3	May 25 (Thu.), 10:35,	Room I
Schmidt, Matthias	ICOPE-2023-1167	P0-2	May 23 (Tue.), 10:35,	Room B-1
Schollbach, Katrin	ICOPE-2023-1028	P0-1	May 23 (Tue.), 08:30,	Room B-1
Sciazko, Anna	ICOPE-2023-1104	P4-3	May 24 (Wed.), 10:35,	Room I
Sejati, Prima Asmara	ICOPE-2023-1249	P9-1	May 23 (Tue.), 15:55,	Room I
Sharma, Pawan Kumar	ICOPE-2023-1320	P7-2	May 23 (Tue.), 13:50,	Room G
Shi, Dongbo	ICOPE-2023-1091	P5-1	May 23 (Tue.), 08:30,	Room F
Shibahara, Makoto	ICOPE-2023-1031	P7-5	May 25 (Thu.), 08:30,	Room A
Shibata, Koi	ICOPE-2023-1111	P9-2	May 24 (Wed.), 08:30,	Room I
Shibata, Maria	ICOPE-2023-1034	P7-3	May 23 (Tue.), 15:55,	Room G
Shibuya, Koichiro	ICOPE-2023-1083	P3-3	May 24 (Wed.), 10:35,	Room G
Shikazono, Naoki	ICOPE-2023-1104	P4-3	May 24 (Wed.), 10:35,	Room I
Shimura, Takaaki	ICOPE-2023-1104	P4-3	May 24 (Wed.), 10:35,	Room I
Shinoda, Yasunari	ICOPE-2023-1038	P0-1	May 23 (Tue.), 08:30,	Room B-1
Shinozaki, Kohei	ICOPE-2023-1295	P10-2	May 24 (Wed.), 08:30,	Room F
Shirakawa, Masakazu	ICOPE-2023-1109	P0-3	May 24 (Wed.), 08:30,	Room B-1
Si, Fengqi	ICOPE-2023-1105	P7-1	May 23 (Tue.), 10:35,	Room G
Singh, Pradeep Kumar	ICOPE-2023-1320	P7-2	May 23 (Tue.), 13:50,	Room G
Skurazawa, Toshiaki	ICOPE-2023-1311	P4-2	May 23 (Tue.), 13:50,	Room I
Soh, Daryl See Min	ICOPE-2023-1017	P5-3	May 24 (Wed.), 10:35,	Room H
Song, Yuanyuan	ICOPE-2023-1103	P7-4	May 24 (Wed.), 13:50,	Room B-1
Su, Sheng	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Suami, Akira	ICOPE-2023-1273	P11-4	May 25 (Thu.), 10:35,	Room H
Suami, Akira	ICOPE-2023-1291	P0-1	May 23 (Tue.), 08:30,	Room B-1
Sugiyama, Kazuyasu	ICOPE-2023-1101	P5-4	May 24 (Wed.), 13:50,	Room H
Sui, Yongfeng	ICOPE-2023-1044	P5-4	May 24 (Wed.), 13:50,	Room H
Sun, Haoran	ICOPE-2023-1056	P7-4	May 24 (Wed.), 13:50,	Room B-1
Sun, Jingqi	ICOPE-2023-1247	P11-4	May 25 (Thu.), 10:35,	Room H
Sun, Jingqi	ICOPE-2023-1266	P11-2	May 23 (Tue.), 10:35,	Room H
Sun, Meng	ICOPE-2023-1009	P11-3	May 23 (Tue.), 15:55,	Room H
<del>Sun, Meng</del>	<del>ICOPE-2023-1061</del>	<del>P9-1</del>	<del>May 23 (Tue.), 15:55,</del>	<del>Room I</del>
Sun, Ruize	ICOPE-2023-1085	P6-1	May 23 (Tue.), 13:50,	Room F
Sun, Ze Rui	ICOPE-2023-1120	P11-1	May 23 (Tue.), 08:30,	Room H
Suzuki, Hiroki	ICOPE-2023-1268	P7-2	May 23 (Tue.), 13:50,	Room G
Suzuki, Hiroki	ICOPE-2023-1274	P7-3	May 23 (Tue.), 15:55,	Room G
Suzuki, Hiroshi	ICOPE-2023-1262	P8-1	May 23 (Tue.), 13:50,	Room H
Suzuki, Kojun	ICOPE-2023-1238	P1-1	May 23 (Tue.), 08:30,	Room G
Tabata, Soichiro	ICOPE-2023-1123	P5-3	May 24 (Wed.), 10:35,	Room H
Takagi, Osamu	ICOPE-2023-1129	P7-3	May 23 (Tue.), 15:55,	Room G
Takahashi, Koji	ICOPE-2023-1045	P4-3	May 24 (Wed.), 10:35,	Room I
Takahashi, Ryota	ICOPE-2023-1071	P2-2	May 23 (Tue.), 15:55,	Room B-1
Takahashi, Tadashi	ICOPE-2023-1123	P5-3	May 24 (Wed.), 10:35,	Room H
Takahashi, Toru	ICOPE-2023-1238	P1-1	May 23 (Tue.), 08:30,	Room G
Takashima, Yohei	ICOPE-2023-1132	P4-2	May 23 (Tue.), 13:50,	Room I
Takasu, Hiroki	ICOPE-2023-1038	P0-1	May 23 (Tue.), 08:30,	Room B-1
Takasu, Hiroki	ICOPE-2023-1087	P0-1	May 23 (Tue.), 08:30,	Room B-1
Takeda, Tetsuaki	ICOPE-2023-1016	P3-2	May 24 (Wed.), 08:30,	Room G
Takeda, Yoichi	ICOPE-2023-1134	P8-1	May 23 (Tue.), 13:50,	Room H
Takeda, Youichi	ICOPE-2023-1279	P8-2	May 24 (Wed.), 08:30,	Room H
Takei, Masahiro	ICOPE-2023-1249	P9-1	May 23 (Tue.), 15:55,	Room I
Tamura, Kazuhiro	ICOPE-2023-1093	P5-3	May 24 (Wed.), 10:35,	Room H
Tan, Jingkao	ICOPE-2023-1027	P9-1	May 23 (Tue.), 15:55,	Room I
Tanaka, Atsushi	ICOPE-2023-1082	P6-2	May 24 (Wed.), 10:35,	Room F
Tanaka, Kento	ICOPE-2023-1268	P7-2	May 23 (Tue.), 13:50,	Room G
Tanaka, Kento	ICOPE-2023-1274	P7-3	May 23 (Tue.), 15:55,	Room G

Tanaka, Kouki	ICOPE-2023-1280	P3-3	May 24 (Wed.), 10:35,	Room G
Tang, Bo	ICOPE-2023-1096	P5-2	May 23 (Tue.), 10:35,	Room F
Tang, Haiyu	ICOPE-2023-1088	P2-1	May 23 (Tue.), 13:50,	Room B-1
Tang, Jie	ICOPE-2023-1006	P10-2	May 24 (Wed.), 08:30,	Room F
Tang, Minghui	ICOPE-2023-1081	P11-3	May 23 (Tue.), 15:55,	Room H
Taniguchi, Masayuki	ICOPE-2023-1132	P4-2	May 23 (Tue.), 13:50,	Room I
Taniyama, Yoshihiro	ICOPE-2023-1083	P3-3	May 24 (Wed.), 10:35,	Room G
Tasaka, Yuji	ICOPE-2023-1272	P3-3	May 24 (Wed.), 10:35,	Room G
Tawab, Taufiq Hilal	ICOPE-2023-1109	P0-3	May 24 (Wed.), 08:30,	Room B-1
Tayama, Masashi	ICOPE-2023-1102	P4-1	May 23 (Tue.), 10:35,	Room I
Teshima, Daiki	ICOPE-2023-1087	P0-1	May 23 (Tue.), 08:30,	Room B-1
Tobo, Makoto	ICOPE-2023-1295	P10-2	May 24 (Wed.), 08:30,	Room F
Topel Capriles, Monika	ICOPE-2023-1130	P0-1	May 23 (Tue.), 08:30,	Room B-1
Topel Capriles, Monika	ICOPE-2023-1150	P2-3	May 25 (Thu.), 10:35,	Room G
Tsujimori, Atsushi	ICOPE-2023-1018	P7-1	May 23 (Tue.), 10:35,	Room G
Tsujimori, Atsushi	ICOPE-2023-1036	P7-2	May 23 (Tue.), 13:50,	Room G
Tsumura, Toshikazu	ICOPE-2023-1132	P4-2	May 23 (Tue.), 13:50,	Room I
Uchida, Masahiro	ICOPE-2023-1082	P6-2	May 24 (Wed.), 10:35,	Room F
Uchida, Takanori	ICOPE-2023-1083	P3-3	May 24 (Wed.), 10:35,	Room G
Ueki, Yasuaki	ICOPE-2023-1241	P9-3	May 25 (Thu.), 10:35,	Room I
Ueno, Ichiro	ICOPE-2023-1285	P7-6	May 25 (Thu.), 10:35,	Room A
Ueno, Shunichiro	ICOPE-2023-1148	P6-3	May 24 (Wed.), 13:50,	Room F
Umeda, Kosuke	ICOPE-2023-1087	P0-1	May 23 (Tue.), 08:30,	Room B-1
Umemoto, Satoshi	ICOPE-2023-1318	P1-1	May 23 (Tue.), 08:30,	Room G
Umemura, Takahiro	ICOPE-2023-1272	P3-3	May 24 (Wed.), 10:35,	Room G
Umezawa, Shuichi	ICOPE-2023-1076	P7-4	May 24 (Wed.), 13:50,	Room B-1
Umezawa, Shuichi	ICOPE-2023-1101	P5-4	May 24 (Wed.), 13:50,	Room H
Umezawa, Shuichi	ICOPE-2023-1125	P9-3	May 25 (Thu.), 10:35,	Room I
Umezawa, Shuichi	ICOPE-2023-1140	P7-5	May 25 (Thu.), 08:30,	Room A
Umezawa, Shuichi	ICOPE-2023-1259	P7-5	May 25 (Thu.), 08:30,	Room A
Usui, Tsubasa	ICOPE-2023-1018	P7-1	May 23 (Tue.), 10:35,	Room G
Utsumi, Kyonosuke	ICOPE-2023-1145	P6-1	May 23 (Tue.), 13:50,	Room F
Wakui, Tetsuya	ICOPE-2023-1278	P3-1	May 23 (Tue.), 08:30,	Room I
Wakui, Tetsuya	ICOPE-2023-1280	P3-3	May 24 (Wed.), 10:35,	Room G
Wang, Aoyu	ICOPE-2023-1103	P7-4	May 24 (Wed.), 13:50,	Room B-1
Wang, Baigong	ICOPE-2023-1105	P7-1	May 23 (Tue.), 10:35,	Room G
Wang, Bofeng	ICOPE-2023-1257	P2-1	May 23 (Tue.), 13:50,	Room B-1
Wang, Can	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Wang, Chenbiao	ICOPE-2023-1056	P7-4	May 24 (Wed.), 13:50,	Room B-1
Wang, Chongyu	ICOPE-2023-1095	P5-2	May 23 (Tue.), 10:35,	Room F
<del>Wang, Di</del>	<del>ICOPE-2023-1061</del>	<del>P9-1</del>	<del>May 23 (Tue.), 15:55,</del>	<del>Room I</del>
Wang, Fei	ICOPE-2023-1133	P4-1	May 23 (Tue.), 10:35,	Room I
Wang, Fei	ICOPE-2023-1170	P11-3	May 23 (Tue.), 15:55,	Room H
Wang, Jiangfeng	ICOPE-2023-1257	P2-1	May 23 (Tue.), 13:50,	Room B-1
Wang, Jiawei	ICOPE-2023-1021	P0-2	May 23 (Tue.), 10:35,	Room B-1
Wang, Li	ICOPE-2023-1085	P6-1	May 23 (Tue.), 13:50,	Room F
Wang, Li	ICOPE-2023-1120	P11-1	May 23 (Tue.), 08:30,	Room H
Wang, Li	ICOPE-2023-1191	P11-2	May 23 (Tue.), 10:35,	Room H
Wang, Peiyu	ICOPE-2023-1091	P5-1	May 23 (Tue.), 08:30,	Room F
Wang, Tongyao	ICOPE-2023-1057	P8-2	May 24 (Wed.), 08:30,	Room H
Wang, Tongyao	ICOPE-2023-1058	P6-2	May 24 (Wed.), 10:35,	Room F
Wang, Xusheng	ICOPE-2023-1146	P2-2	May 23 (Tue.), 15:55,	Room B-1
Wang, Yawen	ICOPE-2023-1079	P11-1	May 23 (Tue.), 08:30,	Room H
Wang, Yi	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Wang, Yong	ICOPE-2023-1009	P11-3	May 23 (Tue.), 15:55,	Room H
Wang, Yong	ICOPE-2023-1040	P9-1	May 23 (Tue.), 15:55,	Room I
Wang, Yong	ICOPE-2023-1053	P9-2	May 24 (Wed.), 08:30,	Room I
<del>Wang, Yong</del>	<del>ICOPE-2023-1061</del>	<del>P9-1</del>	<del>May 23 (Tue.), 15:55,</del>	<del>Room I</del>
<del>Wang, Yong</del>	<del>ICOPE-2023-1124</del>	<del>P9-2</del>	<del>May 24 (Wed.), 08:30,</del>	<del>Room I</del>
Wang, Yuanjing	ICOPE-2023-1013	P3-1	May 23 (Tue.), 08:30,	Room I
Wang, Yue	ICOPE-2023-1052	P11-3	May 23 (Tue.), 15:55,	Room H



Wang, Yuqi	ICOPE-2023-1063	P5-1	May 23 (Tue.), 08:30,	Room F
Watanabe, Hiroaki	ICOPE-2023-1073	P6-3	May 24 (Wed.), 13:50,	Room F
Watanabe, Sho	ICOPE-2023-1241	P9-3	May 25 (Thu.), 10:35,	Room I
Watanabe, Toshio	ICOPE-2023-1093	P5-3	May 24 (Wed.), 10:35,	Room H
Watanabe, Yuta	ICOPE-2023-1298	P7-6	May 25 (Thu.), 10:35,	Room A
Watanabe, Yutaka	ICOPE-2023-1238	P1-1	May 23 (Tue.), 08:30,	Room G
Wen, Jiale	ICOPE-2023-1160	P5-2	May 23 (Tue.), 10:35,	Room F
Weng, Yiwu	ICOPE-2023-1114	P5-1	May 23 (Tue.), 08:30,	Room F
Weng, Yiwu	ICOPE-2023-1117	P5-1	May 23 (Tue.), 08:30,	Room F
Weng, Yiwu	ICOPE-2023-1146	P2-2	May 23 (Tue.), 15:55,	Room B-1
Wesemann, Charles Alexander	ICOPE-2023-1028	P0-1	May 23 (Tue.), 08:30,	Room B-1
Wirsum, Manfred	ICOPE-2023-1299	P4-2	May 23 (Tue.), 13:50,	Room I
Wu, Chenyang	ICOPE-2023-1048	P11-1	May 23 (Tue.), 08:30,	Room H
Wu, Chenyang	ICOPE-2023-1149	P11-2	May 23 (Tue.), 10:35,	Room H
Wu, Chenyang	ICOPE-2023-1196	P11-4	May 25 (Thu.), 10:35,	Room H
Wu, Haonan	ICOPE-2023-1114	P5-1	May 23 (Tue.), 08:30,	Room F
<del>Wu, Lin</del>	<del>ICOPE-2023-1124</del>	<del>P9-2</del>	<del>May 24 (Wed.), 08:30,</del>	<del>Room I</del>
Wu, Weifeng	ICOPE-2023-1257	P2-1	May 23 (Tue.), 13:50,	Room B-1
Wu, Yuxin	ICOPE-2023-1188	P5-3	May 24 (Wed.), 10:35,	Room H
Wu, Zhengyu	ICOPE-2023-1027	P9-1	May 23 (Tue.), 15:55,	Room I
Xiang, Jun	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Xiang, Yuxuan	ICOPE-2023-1103	P7-4	May 24 (Wed.), 13:50,	Room B-1
<del>Xiao, Bole</del>	<del>ICOPE-2023-1061</del>	<del>P9-1</del>	<del>May 23 (Tue.), 15:55,</del>	<del>Room I</del>
Xiao, Yi	ICOPE-2023-1190	P10-1	May 23 (Tue.), 15:55,	Room F
Xiao, Yi	ICOPE-2023-1191	P11-2	May 23 (Tue.), 10:35,	Room H
Xie, Jianwen	ICOPE-2023-1098	P9-2	May 24 (Wed.), 08:30,	Room I
Xie, Yonghui	ICOPE-2023-1063	P5-1	May 23 (Tue.), 08:30,	Room F
Xie, Yonghui	ICOPE-2023-1068	P5-2	May 23 (Tue.), 10:35,	Room F
Xie, Yonghui	ICOPE-2023-1091	P5-1	May 23 (Tue.), 08:30,	Room F
Xie, Yonghui	ICOPE-2023-1095	P5-2	May 23 (Tue.), 10:35,	Room F
Xie, Yonghui	ICOPE-2023-1096	P5-2	May 23 (Tue.), 10:35,	Room F
Xu, Can	ICOPE-2023-1088	P2-1	May 23 (Tue.), 13:50,	Room B-1
Xu, Jun	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Xu, Kai	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Xu, Minghou	ICOPE-2023-1178	P6-1	May 23 (Tue.), 13:50,	Room F
Xue, Shengrong	ICOPE-2023-1133	P4-1	May 23 (Tue.), 10:35,	Room I
Yadav, Sujeet	ICOPE-2023-1073	P6-3	May 24 (Wed.), 13:50,	Room F
Yamada, Akira	ICOPE-2023-1298	P7-6	May 25 (Thu.), 10:35,	Room A
Yamada, Shingen	ICOPE-2023-1016	P3-2	May 24 (Wed.), 08:30,	Room G
Yamada, Souta	ICOPE-2023-1011	P4-1	May 23 (Tue.), 10:35,	Room I
Yamaguchi, Hiroto	ICOPE-2023-1268	P7-2	May 23 (Tue.), 13:50,	Room G
Yamaguchi, Masato	ICOPE-2023-1299	P4-2	May 23 (Tue.), 13:50,	Room I
Yamaguchi, Takahiro	ICOPE-2023-1296	P11-3	May 23 (Tue.), 15:55,	Room H
Yamamoto, Masashi	ICOPE-2023-1034	P7-3	May 23 (Tue.), 15:55,	Room G
Yamana, Takahiro	ICOPE-2023-1295	P10-2	May 24 (Wed.), 08:30,	Room F
Yan, Jianhua	ICOPE-2023-1266	P11-2	May 23 (Tue.), 10:35,	Room H
Yan, Junjie	ICOPE-2023-1086	P10-1	May 23 (Tue.), 15:55,	Room F
Yan, Junjie	ICOPE-2023-1088	P2-1	May 23 (Tue.), 13:50,	Room B-1
Yan, Ruikang	ICOPE-2023-1161	P4-2	May 23 (Tue.), 13:50,	Room I
Yanagisawa, Takuma	ICOPE-2023-1112	P4-1	May 23 (Tue.), 10:35,	Room I
Yang, Di	ICOPE-2023-1057	P8-2	May 24 (Wed.), 08:30,	Room H
Yang, Dong	ICOPE-2023-1103	P7-4	May 24 (Wed.), 13:50,	Room B-1
Yang, Jingze	ICOPE-2023-1094	P3-3	May 24 (Wed.), 10:35,	Room G
Yang, Kaixuan	ICOPE-2023-1009	P11-3	May 23 (Tue.), 15:55,	Room H
Yang, Kaixuan	ICOPE-2023-1040	P9-1	May 23 (Tue.), 15:55,	Room I
Yang, Kaixuan	ICOPE-2023-1053	P9-2	May 24 (Wed.), 08:30,	Room I
<del>Yang, Kaixuan</del>	<del>ICOPE-2023-1124</del>	<del>P9-2</del>	<del>May 24 (Wed.), 08:30,</del>	<del>Room I</del>
Yang, Shaobo	ICOPE-2023-1319	P7-6	May 25 (Thu.), 10:35,	Room A
Yang, Shuai	ICOPE-2023-1204	P10-2	May 24 (Wed.), 08:30,	Room F
Yang, Shuai	ICOPE-2023-1251	P1-1	May 23 (Tue.), 08:30,	Room G
Yao, Hong	ICOPE-2023-1085	P6-1	May 23 (Tue.), 13:50,	Room F

Yao, Hong	ICOPE-2023-1094	P3-3	May 24 (Wed.), 10:35,	Room G
Yao, Hong	ICOPE-2023-1120	P11-1	May 23 (Tue.), 08:30,	Room H
Yao, Hong	ICOPE-2023-1190	P10-1	May 23 (Tue.), 15:55,	Room F
Yao, Hong	ICOPE-2023-1191	P11-2	May 23 (Tue.), 10:35,	Room H
Yokoyama, Ryohei	ICOPE-2023-1278	P3-1	May 23 (Tue.), 08:30,	Room I
Yokoyama, Ryohei	ICOPE-2023-1280	P3-3	May 24 (Wed.), 10:35,	Room G
Yonezawa, Koichi	ICOPE-2023-1101	P5-4	May 24 (Wed.), 13:50,	Room H
Yoshiba, Fumihiko	ICOPE-2023-1267	P10-2	May 24 (Wed.), 08:30,	Room F
Yoshida, Akira	ICOPE-2023-1102	P4-1	May 23 (Tue.), 10:35,	Room I
Yoshida, Akira	ICOPE-2023-1139	P3-1	May 23 (Tue.), 08:30,	Room I
Yoshida, Akira	ICOPE-2023-1276	P2-3	May 25 (Thu.), 10:35,	Room G
Yoshida, Satoshi	ICOPE-2023-1004	P3-2	May 24 (Wed.), 08:30,	Room G
Yoshida, Tadasuke	ICOPE-2023-1083	P3-3	May 24 (Wed.), 10:35,	Room G
Yoshiie, Ryo	ICOPE-2023-1241	P9-3	May 25 (Thu.), 10:35,	Room I
Yoshizawa, Katsuhiko	ICOPE-2023-1296	P11-3	May 23 (Tue.), 15:55,	Room H
Yu, Hang	ICOPE-2023-1326	P2-2	May 23 (Tue.), 15:55,	Room B-1
Yu, Mingyu	ICOPE-2023-1085	P6-1	May 23 (Tue.), 13:50,	Room F
Yu, Panlong	ICOPE-2023-1073	P6-3	May 24 (Wed.), 13:50,	Room F
Yu, Yu Ming	ICOPE-2023-1120	P11-1	May 23 (Tue.), 08:30,	Room H
Yuan, Yuchao	ICOPE-2023-1056	P7-4	May 24 (Wed.), 13:50,	Room B-1
Zeng, Linbin	ICOPE-2023-1262	P8-1	May 23 (Tue.), 13:50,	Room H
Zhai, Ming	ICOPE-2023-1057	P8-2	May 24 (Wed.), 08:30,	Room H
Zhai, Ming	ICOPE-2023-1058	P6-2	May 24 (Wed.), 10:35,	Room F
Zhai, Yunfei	ICOPE-2023-1178	P6-1	May 23 (Tue.), 13:50,	Room F
Zhang, Aoyang	ICOPE-2023-1178	P6-1	May 23 (Tue.), 13:50,	Room F
Zhang, Boyun	ICOPE-2023-1278	P3-1	May 23 (Tue.), 08:30,	Room I
Zhang, Di	ICOPE-2023-1068	P5-2	May 23 (Tue.), 10:35,	Room F
Zhang, Di	ICOPE-2023-1091	P5-1	May 23 (Tue.), 08:30,	Room F
Zhang, Di	ICOPE-2023-1095	P5-2	May 23 (Tue.), 10:35,	Room F
Zhang, Di	ICOPE-2023-1096	P5-2	May 23 (Tue.), 10:35,	Room F
Zhang, Fasheng	ICOPE-2023-1044	P5-4	May 24 (Wed.), 13:50,	Room H
Zhang, Haoyu	ICOPE-2023-1190	P10-1	May 23 (Tue.), 15:55,	Room F
Zhang, Jiadong	ICOPE-2023-1247	P11-4	May 25 (Thu.), 10:35,	Room H
Zhang, Jing	ICOPE-2023-1257	P2-1	May 23 (Tue.), 13:50,	Room B-1
Zhang, Juwei	ICOPE-2023-1254	P6-3	May 24 (Wed.), 13:50,	Room F
Zhang, Kaiji	ICOPE-2023-1204	P10-2	May 24 (Wed.), 08:30,	Room F
Zhang, Kezhen	ICOPE-2023-1086	P10-1	May 23 (Tue.), 15:55,	Room F
Zhang, Wei	ICOPE-2023-1044	P5-4	May 24 (Wed.), 13:50,	Room H
Zhang, Wenfei	ICOPE-2023-1242	P11-4	May 25 (Thu.), 10:35,	Room H
Zhang, Yang	ICOPE-2023-1188	P5-3	May 24 (Wed.), 10:35,	Room H
Zhang, Yanping	ICOPE-2023-1013	P3-1	May 23 (Tue.), 08:30,	Room I
Zhang, Yike	ICOPE-2023-1247	P11-4	May 25 (Thu.), 10:35,	Room H
Zhang, Yin	ICOPE-2023-1257	P2-1	May 23 (Tue.), 13:50,	Room B-1
Zhang, Ziyang	ICOPE-2023-1108	P4-1	May 23 (Tue.), 10:35,	Room I
Zhao, Hongchen	ICOPE-2023-1044	P5-4	May 24 (Wed.), 13:50,	Room H
Zhao, Nannan	ICOPE-2023-1266	P11-2	May 23 (Tue.), 10:35,	Room H
Zhao, Qinxin	ICOPE-2023-1041	P8-2	May 24 (Wed.), 08:30,	Room H
Zhao, Shijie	ICOPE-2023-1326	P2-2	May 23 (Tue.), 15:55,	Room B-1
Zhao, Tianyu	ICOPE-2023-1191	P11-2	May 23 (Tue.), 10:35,	Room H
Zhao, Xuyang	ICOPE-2023-1044	P5-4	May 24 (Wed.), 13:50,	Room H
Zhao, Yongliang	ICOPE-2023-1086	P10-1	May 23 (Tue.), 15:55,	Room F
Zhong, Cengsi	ICOPE-2023-1040	P9-1	May 23 (Tue.), 15:55,	Room I
Zhong, Cengsi	ICOPE-2023-1053	P9-2	May 24 (Wed.), 08:30,	Room I
Zhou, Jing	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Zhou, Keyi	ICOPE-2023-1098	P9-2	May 24 (Wed.), 08:30,	Room I
Zhou, Lingang	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Zhou, Qulan	ICOPE-2023-1027	P9-1	May 23 (Tue.), 15:55,	Room I
Zhou, Qulan	ICOPE-2023-1048	P11-1	May 23 (Tue.), 08:30,	Room H
Zhou, Qulan	ICOPE-2023-1064	P3-1	May 23 (Tue.), 08:30,	Room I
Zhou, Qulan	ICOPE-2023-1149	P11-2	May 23 (Tue.), 10:35,	Room H
Zhou, Qulan	ICOPE-2023-1177	P9-1	May 23 (Tue.), 15:55,	Room I

Zhou, Qulan	ICOPE-2023-1196	P11-4	May 25 (Thu.), 10:35,	Room H
Zhou, Qulan	ICOPE-2023-1242	P11-4	May 25 (Thu.), 10:35,	Room H
Zhou, Weiyang	ICOPE-2023-1247	P11-4	May 25 (Thu.), 10:35,	Room H
Zhou, Weiyang	ICOPE-2023-1266	P11-2	May 23 (Tue.), 10:35,	Room H
Zhou, Yanjun	ICOPE-2023-1103	P7-4	May 24 (Wed.), 13:50,	Room B-1
Zhou, Zijian	ICOPE-2023-1178	P6-1	May 23 (Tue.), 13:50,	Room F
Zhu, Meng	ICOPE-2023-1182	P1-1	May 23 (Tue.), 08:30,	Room G
Zhu, Tong	ICOPE-2023-1108	P4-1	May 23 (Tue.), 10:35,	Room I
Zhu, Yuhao	ICOPE-2023-1281	P7-3	May 23 (Tue.), 15:55,	Room G
<del>Zhuang, Wei</del>	<del>ICOPE-2023-1124</del>	<del>P9-2</del>	<del>May 24 (Wed.), 08:30,</del>	<del>Room I</del>
Zhuo, Xiaohui	ICOPE-2023-1052	P11-3	May 23 (Tue.), 15:55,	Room H
Zong, Shaoliang	ICOPE-2023-1079	P11-1	May 23 (Tue.), 08:30,	Room H
Zou, Renjie	ICOPE-2023-1190	P10-1	May 23 (Tue.), 15:55,	Room F
Zou, Renjie	ICOPE-2023-1191	P11-2	May 23 (Tue.), 10:35,	Room H
Zuo, Keqing	ICOPE-2023-1251	P1-1	May 23 (Tue.), 08:30,	Room G
Zuo, Mingjin	ICOPE-2023-1006	P10-2	May 24 (Wed.), 08:30,	Room F

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