



Date : 19 June (Sat) and 20 June (Sun) 2021  
 Venue : Online  
 ICPE2021 Website : <https://icpe-ipa.org/>

#### ■ Background

There is a growing need for the maintenance and renovation of obsolete infrastructure in developed countries. In the meantime, developing countries face compelling challenges of constructing adequate infrastructure in response to rapid urbanization. Also, we are witnessing greater threats of earthquakes, typhoons and other natural disasters, which forces us to recognize and acknowledge the unexpected vulnerability of infrastructure. Meeting these challenges will require an academic field of planning, researching and designing sustainable infrastructure. Thus, there is a pressing need to establish an academic field to facilitate comprehensively the training of engineers and the development of technologies that will support construction work in devising efficient machines and energy- and labor-saving construction processes.

#### ■ Objectives

Considering the above-mentioned background, this international conference aims to promote the academic field of "Press-in engineering", where experts of various academic fields interact with a focus on the Press-in method. The conference offers opportunities for academics and technicians to intercommunicate with one another and for students and young experts to present their achievements. It also provides forums for introducing Japanese efforts for building national resilience as well as study reports of IPA Technical Committees.

#### ■ Theme: Evolution and Social Contribution of Press-in Engineering for Infrastructure Development, and Disaster Prevention and Mitigation

1. Disaster prevention and mitigation, such as countermeasure against Tsunami, erosion control, slope protections and others
2. Renovation or development of infrastructure, such as road, railway, adjacent construction, rural area development and others
3. Improvement of productivity and environmental issues, such as development of devices, construction managements, logistics, noise, vibration and others
4. Methods or case studies of project evaluation
5. Performance assessment of structures, such as pressed-in piles/sheet piles, and retaining wall/deep foundations constructed by pressed-in piles/sheet piles and others
6. Education
7. Other

Note: Papers both on academic issues (fundamental research) and on practical issues (application examples and machine development) are welcome.

■ Organizers

ICPE2021 Organizing Committee

International Press-in Association (IPA)

■ Supporters

International Society for Soil Mechanics and  
Geotechnical Engineering (ISSMGE)  
The Asian Civil Engineering Coordinating Council (ACECC)  
Japan Society of Civil Engineers (JSCE)  
Japanese Geotechnical Society (JGS)  
The Institution of Professional Engineers, Japan,  
Shikoku Regional Headquarters  
Kochi Construction Managing Engineers Association  
Japanese Technical Association for Steel Pipe Piles and Sheet Piles  
Japan Press-in Association  
Japan Construction Machinery and Construction Association  
The Japan Civil engineering Consultants Association, Shikoku Branch  
Kochi Construction Industry Association  
Kochi Industrial Association  
Kochi Survey and Planning Association  
Kochi Construction Industry Association

Kochi Prefecture  
Kochi City  
Kami City  
Konan City  
Kochi University of Technology  
National Institute of Technology, Kochi College  
Shikoku Railway Company  
West Nippon Expressway Company Limited,  
Shikoku branch  
The Shikoku Bank, Ltd.  
THE BANK OF KOCHI, LTD.  
The Kochi Shimbun  
GIKEN LTD.  
GIKEN SEKO CO., LTD.

(Total 27 groups as of 1 February 2021)

Organizers



Supporters



Kochi Construction Managing Engineers Association

Kochi Industrial Association

Kochi Survey and Planning Association

The Kochi Shimbun

ICPE2021 Online Program

Day One: Saturday, June 19

JST (UTC+9)	Lobby	Channel 1	Channel 2
8:30	Registration Exhibit Hall (Virtual Booth)		
9:00		Welcome and Opening	
10:00		Message from Executive Chairman	
		Networking Break 10:30~11:00	
11:00		Keynote Lecture 1 R&D for Infrastructure Maintenance, Renovation and Management	
		Keynote Lecture 2 Design Considerations in the Tip Resistance of Piles Jacked or Driven into Strong Soil or Weak Rock	
12:00		Networking Break 12:30~13:30	
13:00			
14:00		Technical Session 1 (English and Japanese)	Technical Session 2 (English)
15:00		Networking Break 15:00~15:30	
16:00		Technical Session 3 (English and Japanese)	Technical Session 4 (English)
17:00			

Day Two: Sunday, June 20

JST (UTC+9)	Lobby	Channel 1	Channel 2
8:30	Registration Exhibit Hall (Virtual Booth)		
9:00		Special Session The latest reports from technical committees (TC1, TC2 and TC3)	
10:00		Networking Break 10:30~11:00	
11:00		Technical Session 5 (English and Japanese)	Technical Session 6 (English)
12:00		Networking Break 12:30~13:30	
13:00			
14:00		Technical Session 7 (English and Japanese)	Technical Session 8 (English)
15:00		Networking Break 15:00~15:30	
16:00		Technical Session 9 (English and Japanese)	Technical Session 10 (English)
17:00		Closing Remarks	

## ■ Call for Papers

- Papers related to Press-in Engineering corresponding to the theme of the conference are requested.
- Writing is to be in English
- All submitted papers will be reviewed by several reviewers.

## ■ How to Submit Abstract

- Approximately 400 words. Format shall be downloaded from the following website:  
URL: <https://icpe-ipa.org/contributions>
- Email to ICPE2021 Scientific working group (Chair: Katsutoshi Ueno).  
E-mail address: [icpe2021@gmail.com](mailto:icpe2021@gmail.com)

## ■ Keynote Lectures

### • Lecture 1

Theme: R&D for Infrastructure Maintenance, Renovation and Management  
Speaker: Dr. Yozo Fujino (President, Josai University)

### • Lecture 2

Theme: Design Considerations in the Tip Resistance of Piles Jacked or Driven into Strong Soil or Weak Rock  
Speaker: Dr. Mark Randolph (University of Western Australia)

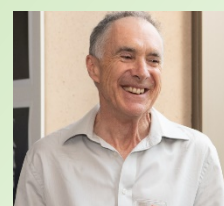
### Keynote Speaker 1

Prof. Yozo Fujino  
President,  
Josai University



### Keynote Speaker 2

Prof. Mark Randolph  
The University  
of Western Australia



- **Fees:** Please visit the IPA website (<https://www.press-in.org/en/event>) or scan the QR code to pay each fee.

Item	Classifications		Early registration until 31 Mar '21	Normal registration on/after 1 Apr '21	QR Code
Registration <sup>※1</sup>	IPA Members	Over 36 <sup>※3</sup>	JPY 14,000	JPY 17,000	
		Under 36	JPY 6,500	JPY 8,500	
		Students	JPY 1,700	JPY 3,500	
	Non-members	Over 36 <sup>※3</sup>	JPY 22,000	JPY 26,000	
		Under 36	JPY 15,000	JPY 17,000	
		Students	JPY 2,500	JPY 4,500	
Full paper processing charge <sup>※2</sup>	IPA Members		JPY 10,000		
	Non-members		JPY 20,000		
Proceedings <sup>※4</sup>			JPY 15,000 per copy		

※1: The proceedings data (electronic version) are included.

※2: A full paper processing charge will be essential for each paper. IPA would like the authors/co-authors whose papers are accepted to the proceedings to participate in the conference by paying the registration fee.

※3: "Over 36" is defined as the participants who become 36 on or before 19 June 2021, and "Under 36" is defined as the participants who do not become 36 on or before 19 June 2021.

※4: B5-sized, hardcover, black-and-white, electronic media such as USB are not included. (Shipping fees will be added.)

Please be advised that the annual due of IPA membership for individual members is JPY 10,000 or free for student members.

IPA welcomes your joining us from our website (URL: <https://www.press-in.org/en/page/join>).

- **Official Language** English (Japanese-English translation is in the main sessions and some general sessions)

## ■ International Advisory Board

Malcolm Bolton	Former President of IPA, Emeritus Professor, The University of Cambridge
Charles Ng	President, International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
Neil Taylor	Secretary General, International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
Roger Frank	Honorary Professor of Ecole Nationale des Ponts et Chaussées, Lab Navier-geotechnical team (CERMES)
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Michio Okahara	Representative Director, Japanese Association for Steel Pipe Piles
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## ■ ICPE2021 Organizing Committee

### Chair

Tatsunori Matsumoto	Vice President of IPA, Professor, Kanazawa University
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### Vice Chair

Jiro Takemura	IPA Director, Associate Professor, Tokyo Institute of Technology
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Hisanori Yaegashi	General Manager, GIKEN LTD.
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### Deputy Secretary General

Yukihiro Ishihara	IPA Director, Manager, GIKEN LTD.
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Takao Kishida	Advisor, GIKEN LTD.
Yoshihisa Fujisaki	Director, GIKEN LTD.

## ■ Welcome to Kochi, Japan



Courtesy of Kochi Visitors & Convention Association

Please refer to Visitors' guide, VISIT KOCHI

(URL: <https://visitkochijapan.com/en>) for more details.

Date. 19 February 2021