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## Report 1: Activity Report 2022

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### Fiscal Year 2022 (1 Apr 2022 – 31 Mar 2023)

#### Introduction Remarks

With the easing of regulations concerning COVID-19, we were able to gradually resume physical activities in FY2022, including the Board Meeting and the 15th Anniversary Seminar in Singapore and the 13th Press-in Engineering Seminar in Japan.

This report is made in the same format as the Activity Plan 2022 i.e., on the basis of the five Standing Committees. We hope that this format makes it easier for the IPA members to compare and understand the report and the plan.

#### 1. Research Committee

The meeting of Research Committee was held at the time of the Board of Directors Meeting in Singapore in November 2022, discussing the issues such as future plans for holding seminars and publishing Case History, and the need to establish a Preparatory Committee and Follow-up Committee to further promote the Technical Committee activities.

##### A) Technical Committees

###### a. Technical Committee 4 (TC-4)

Research Subject: Vertical performance and construction management of sheet piles installed by the Press-in Method and tubular piles installed by Rotary Cutting Press-in Method

Activities: TC-4 was initially planned as a three-year research activity from 2019. It was expected to submit the final report to the Research Committee within the fiscal year 2022. However, there have been delays in the activities and the final report was not ready. It appears that the management and action plan of the TC-4 needs to be reconsidered and rescheduled.

###### b. Technical Committee 5 (TC-5)

Research Subject: Influence of operator skill and experience on field performance of Press-in Piling

Activities: TC-5 is a three-year research activity from 2020, and the fiscal year 2022 was the third year for this activity with the submission of the final report. There have been delays in activities. In the fiscal year 2022, two TC meetings were held and several Joint meetings were held with the Technical Committee of Japan Press-in Association (JPA) and TC-5 has collected three cases of data for Press-in monitoring system so far. One year extension is needed to gather more cases of the data.

### **c. Technical Committee 6 (TC-6) - \*China**

Research Subject: Investigation and analysis of the development status of Press-in technology in China

Activities: TC-6 is a three-year research activity from 2021, and the fiscal year 2022 was the second year. TC-6 has conducted a survey and received 3 responses from operators so far, as well as collected 91 construction cases that were carried out from 2003 to 2022. A meeting was held towards the revision of Press-in Handbook in Chinese and a questionnaire survey was prepared for this purpose.

### **B) Case history**

#### **a. Case history volume -2**

The Research Committee has been editing articles and plans to publish it in the first quarter of next fiscal year 2023.

#### **b. Collecting the case histories of the press-in piling method**

To be continued to the next fiscal year.

[Refer to the Case Histories of the Year Awards Program](#)

### **C) IPA Library (collection of books)**

Books in a variety of fields are being collected. [See the Library web page](#)

154 books (Japanese books 113, English books 41 are included) were furnished and the total number of books is 953 at the end of the fiscal year 2022.

### **D) The Press-in Engineering Seminar**

The Press-in Engineering Seminar in Chiba was held on 13<sup>th</sup> February 2023 in a hybrid format. Total 92 people participated in the seminar. The theme of the seminar was watershed planning and management related to heavy rainfall disaster prevention as planned. [\(Reported in IPA Newsletter 2023, issue 1\)](#)

## **2. Development Committee**

The meeting of Development Committee was held at the time of the Board of Directors Meeting in Singapore in November 2022, discussing mainly the issues of IPA Seminar on Press-in Technology in Taiwan and terminology on press-in technology.

### **A) Multilingualization of the Press-in Handbook**

Up until now, the IPA has published the Press-in Handbook in 10 languages i.e., Japanese, Chinese, English, Spanish, Portuguese, French, German, Vietnamese, Thai and Russian. In addition to these, the Development Committee has organized to be able to publish the Press-in Handbook in Arabic and Korean in the fiscal year 2023, and is searching the other languages, which disseminates the Press-in Handbook and promotes the press-in technology for more nations and regions.

### **B) Seminars on Press-in Technology**

#### **a. Singapore**

The Global Best Practices of Press-in Piling Method - IPA 15th Anniversary Seminar in Singapore - was held on 18<sup>th</sup> November 2022 in a face-to-face meeting as a commemorate the 15<sup>th</sup> Anniversary of the Association. A total of 91 participants attended including IPA Directors from 11 countries, consultants, contractors, and geotechnical engineering practitioners.

The seminar featured the latest applications of Press-in piling in Asia, Europe, North America, South America, and Africa, such as coastal protection are highly relevant to Singapore and Southeast Asia. The past, present, and future of IPA were also presented. ([Reported in IPA Newsletter 2022, issue 4](#))

## b. Other regions

The Development Committee decided to hold a press-in engineering seminar in Taiwan on 14<sup>th</sup> June 2023, aiming for dissemination of the Press-in Handbook. The seminar is under preparation and will be cooperated by the following co-organizers.

- Taiwan Geotechnical Society (TGS)
- Taiwan Foundation Engineering Institute
- Taipei Foundation Engineering Institute
- Sino-Geotechnics Research and Development Foundation

## C) Specifications of the Press-in Piling Method

The working group was formed and established the framework of the table of contents in the FY2022 and started drafting. 30% of the whole contents has been drafted.

## D) Terminology on Press-in Technology

The Development Committee will compile the terminology on Press-in Technology and make the platform to open them for the IPA members and the public, since the common use of terminology related to Press-in Technology has become urgent and critical issues as the multilingualization of the Press-in Handbook progresses. The working group was formed, chaired by Prof. Chun Fai Leung (President of IPA) with the 2 years term (FY2022-2023). Tentative time table of preparation and publication was made as below.

WG	Task	FY2022				FY2023				FY2024			
										* 3 <sup>rd</sup> ICPE			
JG	Making a policy	↔				↔							
	Preparing a corresponding table					↔							
	Translating English into Japanese if necessary, and vice versa					↔							
	Reviewing and modifying					↔							
	Opinion gathering to the opened terminology, modification of platform, and data addition and correction												
	Meeting	x				x	x		x				
	Publish ★, update ☆					★1		★2	★				
G1	Selecting key words* and checking a priority	↔											
	Giving a definition if necessary, and translating Japanese into English		↔										
	Reviewing and modifying, addition by requests			↔									
	Selecting key words and checking a priority		↔										
G2	Considering alternatives/Renaming to some words if necessary	↔											
	Giving a definition, if necessary		↔										
	Preparing figures for definition		↔										
	Reviewing and modifying, addition by requests			↔									
G3	Preparing a corresponding table b/w English and other languages												
Maintenance and updating by Development Committee											☆	☆	↔

★1: provisional WEB opening of English and Japanese terminology DB  
★2: provisional WEB opening of other languages terminology DB  
★ : official opening of WEB opening of terminology DB

## E) ICPE2024 (The Third International Conference on Press-in Engineering 2024)

The ICPE2024 is to be held in Singapore on 3-5 July 2024 and the Organizing Committee and International Advisory Board have been established and started preparation for the conference. The ICPE2024 official website has been launched and the first bulletin (call for abstract) has been circulated.

[See the ICPE2024 official website](#)

### 3. Publicity Committee

The two meetings of Publicity Committee were held to discuss the following issues.

#### A) IPA Newsletters

The quarterly publication of the IPA Newsletter continued in the fiscal year 2022 as follows.

- [Vol.7, Issue 2 June 2022](#) 26 pages
- [Vol.7, Issue 3 September 2022](#) 24 pages
- [Vol.7, Issue 4 December 2022](#) 33 pages
- [Vol.8, Issue 1 March 2023](#) 30 pages

The Editorial Board Committee meetings were held 4 times this year.

#### B) Booklet-2: Pile Foundation

The special contributions related to pile foundations that appeared as follows in the previous Newsletters were re-edited and published in March 2023.

Title	Authors
Development of Sheet Pile Foundation	Hidetoshi Nishioka Masayuki Koda
Potential Damage to Steel Pipe Piles During Installation	Mark Randolph
Rapid Load Test of Piles	Tatsunori Matsumoto
Piled Raft Foundation Combined with Deep Mixing Wall Grid	Kiyoshi Yamashita
Long-term response of piled foundations to sustained load	Bengt H. Fellenius
Comments on Analysis of a Static Loading Test	Bengt H. Fellenius

### 4. Awards Committee

The meeting of Research Committee was held at the time of the Board of Directors Meeting in Singapore in November 2022, discussing the issues to accelerate the applications for existing award programs.

The Awards Committee commenced work on collection of suitable material for review during 2023.

#### A) Preliminary collection of potential candidates for each award.

The Awards Committee proceeded a list of technical and academic papers for the past three years, from January 2020 to the end of December 2022.

It involves collection of on-going or completed project information and innovative technology information for the following categories:

- 1) Outstanding project award,
- 2) Innovative technology award,
- 3) Distinguished research award

#### B) Preparation of the ICPE Best Paper Award at ICPE2024.

A call for papers leading to the ICPE Best Paper Award has been launched by the Organizing Committee of ICPE 2024.

## 5. Administration Committee

The meeting of Administration Committee was held at the time of the Board of Directors Meeting in Singapore in November 2022, discussing the issues to ensure the smooth and efficient operation of the IPA activities.

**A) Recruitment of Directors to enhance IPA activities as well as the cultivation of the next generation in the organization.**

Assisting the Nomination Committee in the recruitment of IPA Directors with regional consideration for diversification of IPA activities, a new IPA Director candidate was nominated from Australia and Japan. Additionally, the Nomination Committee prepared the short list of Directors and Auditors in the next term (2023-2024) including younger generations.

**B) Aiming for globalization through enhancement of the activities of IPA Regional Office.**

The Regional Offices contributed to the IPA activity through writing articles in Newsletters.

Read the articles from regional offices:

[Europe/Netherlands](#), [South East Asia/Singapore](#), [America/U.S.A.](#)

**C) Aiming for economic self-sustainability operation**

The IPA kept applying the economic self-sustainability principle to events. Both the 15th Anniversary Seminar in Singapore and the 13th Press-in Engineering Seminar in Japan were held in the fiscal year 2022 with this principle.

**D) Soliciting young researchers and engineers' participation in the editing process of technological books and papers with respect to the Press-in technology**

The IPA held the 15th Anniversary Seminar in Singapore and the 13th Press-in Engineering Seminar in Japan and encouraged young researchers and engineers to join our activities.

**E) Driving collaborative activities with the Japan Press-in Association (JPA) for viable study or research work**

Currently progressed as planned.

## 6. Others

**A) General Assembly**

The General Assembly was held during the period of 16th to 27th May 2022 (twelve days), approving the new Board Members together with the Activity Report and Income and Expenditure Statement for the fiscal year 2021, the Activity Plan and Budget for the fiscal year 2022. ([Reported in IPA Newsletter 2022, issue 2](#))

**B) Board of Directors meeting**

- On-site and online hybrid Board of Directors meeting was held on 11th July 2022 with the participation of 23 Directors and 1 Auditor. The Directors unanimously approved proposals on President, Vice Presidents, Executive Director, Chairs, Co-Chairs and membership of the Standing Committees and Secretary General.

([Reported in IPA Newsletter 2022, issue 3](#))

- With the easing of regulations concerning COVID-19, a face-to-face Board of Directors meeting was held on 17th November 2022 in Singapore with the participation of 20 Directors (17 on-site and 3 online) and 1 Auditor. The Directors unanimously approved proposals on the forming of the Nomination Committee and the progress report of each committee's activity and the ICPE 2024 was shared among the participants.

[\(Reported in IPA Newsletter 2022, issue 4\)](#)

- An e-mail Board of Directors meeting was held during the period of 20th to 24th March 2023 with the participation of 21 Directors and 2 Auditors. The Directors unanimously approved proposals including new Directors, the draft Activity Plan and the Budget for the next fiscal year.

### **C) Steering Committee**

The Steering Committee consists of the President, all Chairs of the Standing Committees, Executive Director and Secretary General. There was an online meeting on 1st March 2023. The main agendas of the meeting included the Activity report of the fiscal year 2022, the Activity Plan of the fiscal year 2023 and the agendas for the next Board of Directors meeting and the General Assembly.

### **D) Nomination Committee**

The Nominating Committee was formed at the Board of Directors meeting on November 17, 2022. The Nominating Committee prepared a short list of possible candidates of IPA Directors and Auditors in the next term 2023-2024 for resolution at the 2023 General Meeting.

### **E) Memberships**

Numbers of IPA members as of 31st March 2023

Individual members	713	[ Last year 711	(+ 2) ]
Student Members	54	[ Last year 76	(- 22) ]
Corporate members	52	[ Last year 53	(- 1) ]

## Report 2: Income and Expenditure Statement for 2022

### Income & Expenditure Statement for the Fiscal Year 2022

Period : 1st Apr. 2022 - 31st Mar. 2023

(Unit: JPY)


Items	2022 Budget	2022 Actual	Note
<b>Operating Activity</b>			
<b>1 Operating Income</b>			
① <b>Membership Fee</b>			
Individual Member's Annual Fee	7,150,000	7,130,000	
Corporate Member's Annual Fee	7,100,000	6,796,000	
② <b>Contribution</b>			
Contribution	16,000,000	16,000,000	
③ <b>Miscellaneous Income</b>			
Research commission	0	0	
Sales of Books	5,100,000	2,022,750	
Other Income	200	18,957	
<b>Total Operating Income</b>	<b>35,350,200</b>	<b>31,967,707</b>	
<b>2 Operating Expenditure</b>			
① <b>Expenditure for Conference and Seminar</b>			
Press-in Seminars on overseas	500,000	406,334	Preparation cost (Taiwan)
② <b>Expenditure for Publication</b>			
Press-in Handbook	5,000,000	2,213,210	Editing and printing cost
Case History Volume 2	800,000	0	Editing and printing cost
IPA Newsletter	250,000	214,767	Editing cost
Booklet 2: Pile Foundation	500,000	267,300	Editing and printing cost
③ <b>Expenditure for Research Activity</b>			
Board of Directors' meeting	5,100,000	5,461,603	Board of Directors' meeting / Steering committee expenses
Research committee / Technical committee expenses	500,000	500,000	Research committee / Technical committee expenses
Specifications of the Press-in Method	500,000	0	Specifications of the Press-in Method
Awarding expenditures	0	0	
IPA library	1,400,000	1,365,966	Books for IPA Library, etc.
Other activities (e.g., Participations to other conferences)	500,000	487,523	Other activities (e.g., Participations to other conferences)
④ <b>Administrative Expenditure</b>			
Celebration of the 15th Establishment Anniversary of IPA	500,000	820,853	Cost for the 15th Anniversary Seminar in Singapore, etc.
System maintenance	2,160,000	2,624,316	System maintenance, online submission and paper review system, etc.
Membership cards and certificates	20,000	0	Membership cards and certificates
Printing expenditures	50,000	6,640	Guidance of IPA, etc.
Postage cost for international / domestic	250,000	146,518	
Communication expenses	100,000	95,335	Telephone charge
Director's remuneration	10,970,000	10,768,445	
Lease expenses	3,310,000	3,285,946	Office rent, Copy machine, etc.
Outsourcing expense	1,650,000	1,641,204	Certified accountant fee, and etc.
Commission expense	300,000	255,407	Bank Charges
Office supplies expense	120,000	53,783	
Miscellaneous expense	230,000	376,596	
Reimbursement	0	191,940	Replacement cost of airfare for Taiwan seminar
<b>Total Expenditure</b>	<b>34,710,000</b>	<b>31,183,686</b>	
<b>Surplus / (Deficit) of Income over Expenditure</b>	<b>640,200</b>	<b>784,021</b>	
<b>Balance brought from the Previous Year</b>	<b>12,482,816</b>	<b>12,482,816</b>	
<b>Surplus / (Deficit) of the Current Year</b>	<b>640,200</b>	<b>784,021</b>	
<b>Balance carried forward to the Next Year</b>	<b>13,123,016</b>	<b>13,266,837</b>	

In our opinion, the above statement of accounts is presented fairly in all material respects.

監査の結果、重要な点において適正に表示しているものと認める。

Date: 8 May, 2023,

Auditor   
Dr. Goh Teik Lim

Auditor   
Mr. Tsuyoshi Tanouchi