
Agenda Item 1 Activity Report 2012

Fiscal Year 2012 (1st Apr 2012 – 31st Mar 2013)

I. Research Activity

1. “5th IPA Press-in Engineering Seminar” and “The 1st IPA Student Workshop” were held by the research committee to diffuse and enlighten the press-in technology.

1-1 The 5th IPA Press-in Engineering Seminar in Kochi, 9th July 2012, 13:30-17:15 at Sanpia Chres with approx. 210 attendees.

Lecture 1 "Joint study result of Cambridge University and Giken Seisakusho Co., Ltd."

Prof. Malcolm Bolton / Cambridge University / IPA Chairman

Mr. Yukihiro Ishihara / Giken Seisakusho Co., Ltd.

Lecture 2 "Squeezing Effects of Press-in Piling on Adjacent Underground Pipelines in Shanghai Soft Clays" Dr Yong Tan / Tongji University

Prof. Fang-Le Peng / Tongji University / IPA Vice Chairman

Lecture 3 "Preventive Strategy against Mega-Quake Disaster in Kochi Prefecture"

Prof. Kunio Ohtoshi / Kochi University

Lecture 4 "Implant Structure and Application Examples"

Mr. Hiroyuki Yasuoka / Giken Seisakusho Co., Ltd.

1-2 The 1st IPA Student Workshop, 10th July 2012, 8:30-11:00 at Head office, Giken Seisakusho Co., Ltd. with 23 attendees.

Lecture 1 “Additional vertical earth pressure on the underground structure due to the ground settlement.”

Mr. Masahiro Kunieda / The University of Tokyo

Lecture 2 “Application of the supercritical CO2 model to the thermodynamics coupled analysis system and the assessment of the progression of carbonation.”

Mr. Hiroaki Minoo / The University of Tokyo

Lecture 3 “Experimental study on the behavior of pile foundations under cyclic horizontal loading.”

Ms. Mayumi Kawamori / Kanazawa University

Lecture 4 “The effect of the foundation width on the bearing capacity of spread foundations.”

Ms. Satomi Nagai / Kanazawa University

Lecture 5 “The stability of the trapdoor of Modified Cam-clay model evaluated by the upper-bound method.”

Ms. Rina Sasaki / Kanazawa University

Lecture 6 “The experimental and analytical study on static, dynamic and rapid loading tests of open-ended piles.”

Ms. Saki Sugiura / Kanazawa University

Lecture 7 “The model experiment on press-in resistance in multi-layered ground.”

Mr. Hirotooshi Makabe / The University of Tokyo

2. 4th IPA Research Grant Award

2-1 Schedule of 4th IPA Research Grant Award

16th April Call for research proposals

15th July Submission deadline of proposals

13th September Evaluation by the award committee

14th September Announcement to winners with invitation to the Award ceremony

6th-7th December Award ceremony in Singapore

◇ 4th IPA Research Grant Award

- “Centrifuge modeling of Press-in piling installation”

Dr Jonathan A. Black / University of Sheffield

- “Time-dependent Behaviors of Press-in Piles in Shanghai Soft Clays”

Assoc. Prof. Yong Tan / Tongji University

- “Study on the collection and analysis of subsurface data using a pile being pressed-in, and correlation between performance of the pile.”

Dr Albert T. Yeung / University of Hong Kong

- “Effect of the thickness of the annular part of a pile tip to the installability and bearing capacity of steel pipe piles”

Prof. Yoshiaki Kikuchi / Tokyo University of Science

- “Fundamental Study on Reinforcement of Existent Fishery Wharf by Press-in Pile”

Prof. Kojiro Okabayashi / Kochi National College of Technology

- “Three-dimensional analysis of sand particles movement around tip of pile during press-in driving”

Assoc. Prof. Kohei Nagai / The University of Tokyo

- “Appraisal of Loading Rate Effects on Bearing Capacity of Pile”

Mr. Koji Watanabe / Obayashi Corporation

3. Research paper of the 3rd IPA Research Grant Award and presentations at 4th IPA International Workshop.
4. Research Committee was held "Report meetings of 4th IPA International Workshop"
 - Report meetings of 4th IPA International Workshop in Tokyo, 20th February 2013, 15:00-17:15 at IPC with 52 attendees and In kochi, 25th February 2013, 15:00-17:15 at Dibasan Center with approx. 124 attendees.
5. Prepared for publishing "Press-in Engineering 2013"

II. International Workshop Activity

1.
 - 6th to 9th November, Secretary General Dr. Okumura visited Singapore that prepared for 4th IPA International Workshop in Singapore to find construction site for field trip of press-in machine and widen the personal connections in Singapore.
 - Supporting for the corporate member was lecture about "ECO Park" in the Associated research Centers for the Urban Underground Space (ACUUS).
2. 5th and 7th December 2012, 4th IPA International Workshop was held in Singapore
 - 5th 18:00—20:00 ◇Reception
 - 6th
 - Lecture 1 "Identifying ground interaction mechanisms for Press-in Piles"
Prof. Malcolm Bolton, Dr Stuart Haigh / University of Cambridge
 - Lecture 2 "Lessons Learned from the 2011 Great East Japan Disaster and Measures against Future Earthquakes"
Prof. Masanori Hamada / Waseda University
 - Lecture 3 "Applications of Press-in Piling in South-East Asia Countries"
Dr. Goh Teik Lim / ATSUNEW GIKEN PTE. LTD.
 - Lecture 4 "Steel Sheet Piles Market in Asian"
Mr. Kam Soon Phang / Oriental Sheet Piling Sdn.Bhd.
 - ◇Presentation of 3rd IPA Research Grant Award.
 - Lecture 5 "Fundamental experimental study on behaviours of piled foundations and surrounding dry sand ground subjected to cyclic horizontal loading"
Prof. Tatsunori Matsumoto / Kanazawa University
 - Lecture 6 "Improving performance during installation of contiguous piles with the Gyropiler"
Dr Andrew M McNamara / City University, London

Lecture 7 "Press-in resistance in multi-layer ground of sand, gravel, and cohesive soils observed in scaled models"

Assoc. Prof. Taro Uchimura / The University of Tokyo

7th 9 : 15-9 : 30 4th IPA Research Grant Award Ceremony.

Lecture 8 "PPT Technique to Obtain Subsurface Information"

Mr. Yukihiro Ishihara / Giken Seisakusho Co., Ltd.,

Lecture 9 "Assessment for Implant Structure based on Five Principles of Construction and Lessons Learned from Great East Japan Earthquake"

Dr. Yoshihiko Fukuchi / Giken Seisakusho Co., Ltd.,

Lecture 10 "The application of Crush Piling in Singapore and briefing of the press-in piling construction site"

Mr. David Liaw Wie Sein / Guan Chuan Engineering Construction Pte. Ltd.

Lecture 11 "Briefing of the Crush piling construction site"

Eng Lee Engineering Pte. Ltd.

13 : 00-16 : 00 ◇Field trip

Tour to press-in construction sites in Singapore.

3. Reviewed the proposed place for 5th IPA International Workshop
4. Activities to enhance industry-academia-government collaboration.
 - 30th April to 4th May, Dr. Okumura (Secretary General) traveled to Taiwan to aid promotion to the corporate member and attended "SSMS2012"
 - Strengthened a cooperative relationship with Tongji University, National University of Singapore and National Taiwan University.

III. Committee Activity

1. The Ordinary General Assembly

The Ordinary General Assembly 2012 by internet held 4th April to 19th April 2012

The following bills were passed unanimously;

"Activity Report 2011" "Income and Expenditure Account 2011" "Activity Plan 2012"
"Income and Expenditure Budget 2012" "Election of Directors and Auditors"

2. Administrative Board

The Ordinary Administrative Board 2013 by internet held 4th April to 19th April 2012

The bills of "Revised Income and Expenditure Budget 2012" and "Report of New Membership 2012" were passed unanimously.

3. Public Relations Committee

Public Relations Committee actively pursue upgrading of homepage, improvement of presentation tools and setting up of members-only website.

IV. Public Relations activities

1. Renewal of the IPA Website.

1-1 Updated articles of activities and publicities in the IPA Website.

2. Lecture activities

2-1 12th June 2012, Secretary General Dr. Okumura explained the content of the IPA activity of “4th IPA International Workshop” in general assembly of JPA.

3. Press release

3-1 Releasing news, topics and results of researches to Newspapers and Magazines.

V. Services for members

1. Recruiting New Members

1-1 IPA Promotion Team from Giken Seisakusho Co., Ltd. supported to recruit new individual Members and Corporate Members.

25th March 2013:

| | | |
|-----------------------------|-----|-----------------|
| Total of Individual member: | 472 | New member : 22 |
| Total of Corporate member: | 28 | New member : 3 |
| Total of Student member: | 18 | |

Agenda Item 2 Income and Expenditure Account 2012

Fiscal Year 2012 (1 Apr 2012 – 31 Mar 2013)

(Unit: Japanese Yen)

| Accounting Title | Revised Budget | Actual | Difference | Note |
|---|--------------------|--------------------|------------------|-----------------------------|
| I Operating Activity | | | | |
| 1 Operating Income | | | | |
| ① Entry Fee | | | | |
| Corporate Member's Entry Fee | 224,696 | 224,696 | 0 | 3 Companies |
| ② Membership Subscription | | | | |
| Individual Member's Annual Fee | 4,596,391 | 4,466,391 | (130,000) | 448 Individuals |
| Corporate Member's Annual Fee | 3,192,988 | 3,192,988 | 0 | 33 Lots |
| ③ Donation | | | | |
| Donation | 3,000,000 | 3,000,000 | 0 | IPC Rent Expense from Giken |
| ④ Miscellaneous Income | | | | |
| Interest | 1,731 | 2,499 | 768 | |
| Miscellaneous revenues | 1,020,000 | 1,020,000 | 0 | The Imprint structure |
| Total Operating Income | 12,035,806 | 11,906,574 | (129,232) | |
| 2 Operating Expenditure | | | | |
| ① Project Expenditure | | | | |
| 3rd IPA Research Grants | 0 | 0 | 0 | |
| 4th IPA Research Grants | 4,500,000 | 4,500,000 | 0 | |
| 4th IPA International Workshop | 4,149,404 | 4,145,474 | (3,930) | |
| Prepare for 4th IPA International Workshop | 486,149 | 486,149 | 0 | ACUUS |
| Report meetings of 4th IPA International Workshop | 230,000 | 264,832 | 34,832 | Tokyo, Kochi |
| Publishing Press-in Engineering 2011 | 0 | 0 | 0 | |
| Reward for Reviewing Committee Members | 90,000 | 90,000 | 0 | 10papers*2per |
| Support for 3rd IPA Research Grant Winners | 0 | 0 | 0 | Kanazawa |
| Reward for Selection Committee Members | 48,000 | 48,000 | 0 | 8papers*2per |
| Support for 4th IPA Research Grant Winners | 237,480 | 237,480 | 0 | |
| Reward for Research Committee Members | 50,000 | 0 | (50,000) | |
| 3rd IPA Press-in Engineering Seminar | 0 | 0 | 0 | |
| 4th IPA Press-in Engineering Seminar | 0 | 0 | 0 | |
| 5th IPA Press-in Engineering Seminar | 498,258 | 498,258 | 0 | Kochi |
| Publishing Imprint Structure | 781,617 | 781,617 | 0 | |
| Support for Site Monitoring | 97,673 | 268,403 | 170,730 | taiwan, Shanghai |
| ② Management and General | | | | |
| Revision of IPA Website | 140,000 | 133,350 | (6,650) | |
| Making Membership Cards | 20,000 | 0 | (20,000) | |
| Printing Envelops and Covering Letters | 113,920 | 119,210 | 5,290 | |
| Translation fee | 50,000 | 0 | (50,000) | |
| International and Domestic Postage Expense | 150,000 | 58,455 | (91,545) | |
| Communication Expense | 100,000 | 105,099 | 5,099 | |
| Rent Expense | 3,000,000 | 3,000,000 | 0 | |
| Office Supplies Expense | 270,000 | 313,918 | 43,918 | Banners |
| Commission Expense | 400,000 | 106,657 | (293,343) | Research Grants |
| ③ Domestic Travel Expense | | | | |
| Secretariat | 350,000 | 232,324 | (117,676) | |
| Research Committee Members (include Social Meeting) | 200,000 | 73,520 | (126,480) | |
| ④ Expense for Branch Activity | 0 | 0 | 0 | |
| Total Operating Expenditure | 15,962,501 | 15,462,746 | (499,755) | |
| Surplus / (Deficit) of Income over Expenditure | (3,926,695) | (3,556,172) | 370,523 | |

(Unit: Japanese Yen)

| Accounting Title | Revised Budget | Actual | Difference | Note |
|---|----------------|-------------|------------|------|
| II Investment | | | | |
| 1 Investment | | | | |
| ① Fixed Deposit | 2,000,000 | 2,000,000 | 0 | |
| Total Investment | 2,000,000 | 2,000,000 | 0 | |
| 1 Investment | | | | |
| ① Fixed Assets | | | | |
| Fixed Deposit | 0 | 0 | 0 | |
| Total Investment | 0 | 0 | 0 | |
| Surplus / (Deficit) of Investment Activity | 2,000,000 | 2,000,000 | 0 | |
| III Contingency Expense | | | | |
| Contingency Fund | 50,000 | 30,495 | (19,505) | |
| Research Contingency Fund | 0 | 0 | 0 | |
| Surplus / (Deficit) of the Current Year | (1,976,695) | (1,586,667) | 390,028 | |
| Balance brought from the Previous Year | 2,407,625 | 2,407,625 | 0 | |
| Balance carried forward to the Next Year | 430,930 | 820,958 | 390,028 | |

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。

2013 年 3 月 18 日

監事

田中孝明



監事

Alamy Hyle

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

18/3, 2013,

Auditor

[Signature]

Auditor

Alamy Hyle



Agenda Item 3 Activity Plan 2013

Fiscal Year 2013 (1 Apr 2013 – 31 Mar 2014)

I. Research Activity

1. Formulate “Press-in Design Guideline” and “Press-in Construction Guideline”.
2. Establishing the evaluation method of geological properties driven by press-in machine by Research Committee.
 - Authorizing PPT (Pile Penetration Test) technology.
3. Providing and/or supporting measurements for Press-in quality on site upon request from Individual and Corporate members.
4. Publishing “Press-in Engineering 2013” and promoting.
 - Distribute to National Diet Library, domestic and overseas universities, related academic societies and associations, etc.
5. Supporting 4th IPA Research Grant Award Winners to execute research work.
 - Appoint the specialists of Press-in engineering as technological advisers and support researchers to execute research works.
 - Assisting researchers to reflect the needs from construction site executed by corporate members to its research works.
6. Promoting Press-in technology by holding seminars of Press-in engineering, symposiums of research results and etc.

II. International Workshop Activities

1. Holding seminars of Press-in engineering and young researcher’s Workshop. In July 2013 in Kochi.
 - Contributing to promote global expansion of Press-in engineering and to exchange the ideas of younger research engineers to hold International seminar attended by Cambridge university, The university of Tokyo, Tokyo Institute of Technology, Kanazawa university, Tongji university, etc. in Kochi in July.

- Inviting engineers and researchers from the countries where the market is anticipated to IPC and IPA's events and encourage them to conduct researches In terms of Press-in engineering.
- 2. Preparing for 5th IPA International Workshop.
 - Selecting the proposed place of 5th IPA International Workshop, the construction sites for tour and preparation of the program.
- 3. Activities to enhance industry-academia-government collaboration.
 - Exchanging engineering and research information with ASCE, DFI, Chinese Society of Civil Engineers, Shanghai Society of Civil Engineers, etc.
 - Strengthening network with Tongji University in Shanghai, National University of Singapore and Universiti Tun Hussein Onn Malaysia, etc.

III. Committee Activity

1. Enhancing activity of Administrative Committee to strengthen IPA finance.
2. Expanding members of Instrument Subcommittee and Machinery Subcommittee to execute more active works of Research Committee. Executing research works based on visualization in underground phenomena to analyze in-situ monitoring data during construction.
3. Research Committee promotes collaboration research works among industry-academia-government organizations.
4. Public Relations Committee promotes IPA more actively to strengthen public relations activities by updating and developing IPA webpage, developing presentation materials and making press releases.

IV. Public Relations Activity

1. Promoting Press-in technology actively to the domestic and international clients and targeting the reflection of Press-in technology to the specifications, especially focus to the disaster-stricken area such as Great East Japan and Thailand's flood disaster mitigation as the recovery and reconstruction aids.
2. Making press releases at appropriate timing to newspapers and magazines regarding topics of Press-in seminars, research results, etc.

3. Making lectures of the IPA activities at the JPA (Japan Press-in Association) General Assembly, etc.
4. Updating web page in a timely manner with renewed contents and also develop members-only web site for further effective use.

V. Services for members

1. Recruiting new members, especially new corporate members more actively.
Recruiting new corporate members at the events organized by JPA to cooperate with JPA.
2. Providing more services to IPA members by utilizing IPC(International Press-in Center) located at Shinagawa in Japan.
3. Supporting domestic and overseas Individual and Corporate member's activities, especially in Singapore, Thailand, Malaysia, Shanghai and the countries of Asia in this year more actively.

Agenda Item 4 Income and Expenditure Budget 2012

Fiscal Year 2012(1 Apr 2012-31 Mar 2013)

(Unit: Japanese Yen)

| Accounting Title | Actual 2012 | Budget 2013 | Difference | Note |
|---|--------------------|-------------------|--------------------|-----------------------------|
| I Operating Activity | | | | |
| 1 Operating Income | | | | |
| ① Entry Fee | | | | |
| Corporate Member's Entry Fee | 224,696 | 200,000 | (24,696) | 2 Companies |
| ② Membership Subscription | | | | |
| Individual Member's Annual Fee | 4,466,391 | 4,600,000 | 133,609 | 460 Individuals |
| Corporate Member's Annual Fee | 3,192,988 | 3,300,000 | 107,012 | 33 Lots |
| ③ Donation | | | | |
| Donation | 3,000,000 | 3,000,000 | 0 | IPC Rent Expense from Giken |
| ④ Miscellaneous Income | | | | |
| Interest | 2,499 | 2,000 | (499) | |
| Miscellaneous revenues | 1,020,000 | 0 | (1,020,000) | |
| Total Operating Income | 11,906,574 | 11,102,000 | (804,574) | |
| 2 Operating Expenditure | | | | |
| ① Project Expenditure | | | | |
| 4th IPA Research Grants | 4,500,000 | 0 | (4,500,000) | |
| 4th IPA International Workshop | 4,145,474 | 0 | (4,145,474) | |
| Prepare for 4th IPA International Workshop | 486,149 | 0 | (486,149) | |
| Report meetings of 4th IPA International Workshop | 264,832 | 0 | (264,832) | |
| Prepare for 5th IPA International Workshop | 0 | 300,000 | 300,000 | |
| Publishing Press-in Engineering 2013 | 0 | 600,000 | 600,000 | |
| Reward for Reviewing Committee Members | 90,000 | 0 | (90,000) | |
| Support for 3rd IPA Research Grant Winners | 0 | 0 | 0 | |
| Reward for Selection Committee Members | 48,000 | 0 | (48,000) | |
| Support for 4th IPA Research Grant Winners | 237,480 | 100,000 | (137,480) | |
| Reward for Research Committee Members | 0 | 100,000 | 100,000 | |
| 5th IPA Press-in Engineering Seminar | 498,258 | 0 | (498,258) | Kochi |
| 6th IPA Press-in Engineering Seminar | 0 | 700,000 | 700,000 | Kochi |
| Publishing Imprint Structure | 781,617 | 0 | (781,617) | |
| Support for Site Monitoring | 268,403 | 100,000 | (168,403) | |
| ② Management and General | | | | |
| Revision of IPA Website | 133,350 | 140,000 | 6,650 | |
| Making Membership Cards | 0 | 10,000 | 10,000 | |
| Printing Envelops and Covering Letters | 119,210 | 120,000 | 790 | |
| Translation fee | 0 | 50,000 | 50,000 | |
| International and Domestic Postage Expense | 58,455 | 100,000 | 41,545 | |
| Communication Expense | 105,099 | 110,000 | 4,901 | |
| Rent Expense | 3,000,000 | 3,000,000 | 0 | |
| Office Supplies Expense | 313,918 | 200,000 | (113,918) | |
| Commission Expense | 106,657 | 50,000 | (56,657) | |
| ③ Domestic Travel Expense | | | | |
| Secretariat | 232,324 | 350,000 | 117,676 | |
| Research Committee Members (include Social Meeting) | 73,520 | 200,000 | 126,480 | |
| ④ Expense for Branch Activity | 0 | 0 | 0 | |
| Total Operating Expenditure | 15,462,746 | 6,230,000 | (9,232,746) | |
| Surplus / (Deficit) of Income over Expenditure | (3,556,172) | 4,872,000 | 8,428,172 | |

(Unit: Japanese Yen)

| Accounting Title | Actual 2012 | Budget 2013 | Difference | Note |
|---|-------------|-------------|-------------|------|
| II Investment | | | | |
| 1 Investment | | | | |
| ① Fixed Deposit | 2,000,000 | 0 | (2,000,000) | |
| Total Investment | 2,000,000 | 0 | (2,000,000) | |
| 1 Investment | | | | |
| ① Fixed Assets | | | | |
| Fixed Deposit | 0 | 5,000,000 | 5,000,000 | |
| Total Investment | 0 | 5,000,000 | 5,000,000 | |
| Surplus / (Deficit) of Investment Activity | 2,000,000 | (5,000,000) | (7,000,000) | |
| III Contingency Expense | | | | |
| Contingency Fund | 30,495 | 30,000 | (495) | |
| Research Contingency Fund | 0 | 0 | 0 | |
| Surplus / (Deficit) of the Current Year | (1,586,667) | (158,000) | 1,428,667 | |
| Balance brought from the Previous Year | 2,407,625 | 820,958 | (1,586,667) | |
| Balance carried forward to the Next Year | 820,958 | 662,958 | (158,000) | |

Agenda Item 5 Election of Directors and Auditors

Pursuant to Article 15 of IPA Constitution, the following person is proposed as a new Director of IPA for the term to 31 March 2015.

Candidate for Vice Chairman

Name: Osamu Kusakabe
Current Position: President, Ibaraki National College of Technology
Citizenship: Japanese
Present Address: 866 Nakane, Hitachinama, Ibaraki, JAPAN
E-mail: kusakabe@sec.ibaraki-ct.ac.jp

Education Background

Apr.1969-Mar.1973 BSc in Agriculture, Department of Forest, Tokyo University of
Agriculture and Technology, Japan
Apr.1973-Mar. 1975 MSc in Engineering, Department of Civil Engineering, Graduate
School of Science and Engineering, Tokyo Institute of
Technology, Japan
Oct. 1979-Jun. 1980 M Phil, Cambridge University, UK
Oct. 1980-June 1982 PhD, Cambridge University, UK

Professional Experience

Apr.1975 – Jun.1984 Research Associate, Department of civil Engineering,
Tokyo Institute of Technology,
Jul.1984 – Feb.1991 Associate Professor, Department of Civil Engineering,
Utsunomiya University,
Feb.1990– Aug.1990 Churchill College Oversea Fellow, Cambridge University.
Mar.1991 – Mar.1996 Professor, Department of Civil Engineering,
University of Hiroshima
Apr.1996 – Mar.2011 Professor, Department of Civil Engineering Tokyo Institute of
Technology
Nov.1998 Distinguished Visiting Professor ,National University of Singapore

| | |
|---------------------|--|
| Mar.2004 – Jul.2004 | Visiting Scholar at the Delft University of Technology |
| Apr.2011 | Professor Emeritus, Tokyo Institute of Technology |
| Apr.2011 – Current | President, Ibaraki National College of Technology |

Osamu Kusakabe has also played a role in various organizations, including President of the Japanese Geotechnical Society, Vice President of the Japan Society of Civil Engineers, a Board member of the International Society for Soil Mechanics and Geotechnical Engineering, a Board member of International Press-in Association, Founding Secretary General of Asian Civil Engineering Coordinating Council, a Council member of the Overseas Coastal Area Development Institute of Japan, an Auditor of the Japan Federation of Engineering Societies, a Board member of Japan Foundation Engineering Association, a Board member of Japan Geotechnical Consultants Association, a member of the International Advisory Board for the Singapore Land Transport Authority and a Board member of the Japan Engineering Association of Steep Pipe Pile and Steel Sheet Pile.

Research Interests

Soil Mechanics, Geotechnical Engineering, Geo-Risk Analysis, Geo-Safety Engineering

Candidate for ~~Director~~ Vice Chairman

| | |
|-------------------|--|
| Name: | Masaaki Terashi |
| Current Position: | Independent Consultant, Tokyo, Japan Advisor, Giken Seisakusho Co., Ltd |
| Citizenship: | Japanese |
| Present Address: | 5-5-29-210 Sakura-jousui, Setagaya, Tokyo, Japan E-mail: MasaakiTerashi@aol.com |

Education Background

| | |
|------------|--|
| Mar. 1968 | BSc in Civil Engineering, Dept. of Civil Engineering, Tokyo Institute of Technology, Tokyo, Japan |
| Mar. 1970 | MSc in Civil Engineering, Dept. of Civil Engineering, Tokyo Institute of Technology, Tokyo, Japan |
| Sept. 1981 | Dr. Eng., Geotechnical Engineering, Tokyo Institute of Technology |

Professional Qualification

Professional Engineer, Jp. (Geotechnical Engineering)

Professional Experience

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|---------------------|--|
| Apr. 1970-Mar. 1975 | Research Engineer, Soils Division, Port and Harbour Research Institute, Ministry of Transport |
|---------------------|--|

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|----------------------|--|
| Apr. 1975-Mar. 1977 | Senior Research Engineer, Seismic hazards prevention and Stability analyses, Port and Harbour Research Institute |
| Apr. 1977-Mar. 1978 | Chief of Soil investigation Lab., Port and Harbour Research Institute |
| Apr. 1978-Mar. 1992 | Chief of Soil Stabilization Lab. and Geotechnical Centrifuge Facility, Port and Harbour Research Institute |
| Apr. 1992-Mar. 1994 | Chief Research Engineer, Nikken Sekkei Nakase Geotechnical Institute |
| Apr. 1994-Sept. 1999 | Deputy Principal, Nikken Sekkei Nakase Geotechnical Institute |
| Apr. 1995-Mar. 2006 | Executive General Manager, Nikken Sekkei Ltd. |
| Mar.1998-Mar. 2003 | Director, Nikken Soil Research Ltd. |
| Oct. 1999-Dec. 2006 | Principal, Nikken Sekkei Nakase Geotechnical Institute |
| Dec. 1999-Mar. 2006 | Visiting Professor, Int'l Development Engineering, Tokyo Institute of Technology |
| Jan. 2007-Dec. 2009 | Advisor, Nikken Sekkei Ltd. |
| Jan. 2010 to present | Independent Consultant |
| Mar. 2010 to present | Advisor, Giken Seisakusho Co., Ltd. |

Areas of Interests

Foundation Engineering, Ground Improvement, Physical Modeling by Geotechnical Centrifuge, Reclamation, Port, Airport and Harbor Construction. In the above subject areas, Masaaki Terashi wrote around 200 papers, coauthored several design codes or technical manuals, authored/co-authored several books and delivered around 10 keynote/invited lectures. The most recent publication is a co-authored book "The Deep Mixing Method" published through Taylor & Francis/CRC Press in London in March 2013.

Candidates for Director

| | |
|-------------------|--|
| Name: | Hiroaki Tanouchi |
| Current Position: | Operating Officer, Giken Seisakusho Co., Ltd. |
| Citizenship: | Japanese |
| Present Address: | 3948-1 Nunoshida, Kochi-shi, Kochi 781-5195, Japan E-mail: tanouchi.h@giken.com |

Education Background

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|----------|--|
| Mar.1977 | Department of mechanical engineering, Kochi National College of Technology, Japan |
|----------|--|

Professional Experience

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|----------------|--|
| 1978 – Current | Giken Seisakusho Co., Ltd. |
| 1978 - 1993 | Technical development department (Mechanical Development) |
| 1993 - 1997 | Technical development department (production and material) |
| 1997 - 2004 | Technical development department (Mechanical Development) |
| 2004 - 2008 | Technical development department (production and material) |
| 2008 - 2010 | Management Planning Department |
| 2010 - | General Manager , Construction Solutions Development Dept, |

Research Interests

Developing new construction methods and new applications of Implant Structure by leveraging superiorities of press-in principle. Developing new methodologies and machinery systems to construct such Implant Structures. Contributing practical and academic researches for developing technologies and theories scientifically visualising underground.

Candidates for Director

| | |
|-------------------|--|
| Name: | Taro Uchimura |
| Current Position: | Associate Professor, Department of Civil Engineering, University of Tokyo |
| Citizenship: | Japanese |
| Present Address: | Department of Civil Engineering, University of Tokyo 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656 E-mail: uchimura@civil.t.u-tokyo.ac.jp |

Education Background

| | |
|--------------------|--|
| Mar.1994 | B.Eng, Department of Civil Engineering, University of Tokyo |
| Mar.1996 | M.Eng, Department of Civil Engineering, University of Tokyo |
| Apr.1996- Apr.1997 | Doctor course student, Department of Civil Engineering, University of Tokyo |
| Mar.2003 | Ph.D (Engineering), University of Tokyo |

Professional Experience

| | |
|-------------|---|
| 1996 – 2003 | Research Associate, Graduate School of University of Tokyo |
| 2003 – 2006 | Assistant Professor, Graduate School of University of Tokyo |
| 2006 – 2007 | Visiting Scholar, University of Cambridge |

Research Interests

Pile foundations and their interaction with peripheral structures, Monitoring and early warning for land slide disasters, Cemented and reinforced soil structures, Recycled materials for geo-structures, Seismic stability of retaining walls

Candidates for Auditor

Name: Kazuyoshi Ishii

Current Position: General Manager (Department Leader),
Giken Seisakusho Co., Ltd. IPA Support Dept.

Citizenship: Japanese

Present Address: 9F, Konan YK Bldg, 2-4-12 Konan, Minato-ku Tokyo 108-0075,
Japan E-mail: ishii@giken.com

Education Background

Mar.1978 B.Eng in Architectural Engineering
Architectural Dept. of Kansai University

Professional Qualification

Dec. 1982 1st Class Qualified Architect [License No. 169555]

Professional Career

Apr. 1978—Feb. 2005 Kumagai Gumi Co., Ltd.

Apr. 1978—Jan. 1984 Hokuriku Central Branch (Chief construction administrator)

Feb. 1984—Oct. 1985 Singapore Operation (Project Mnager)

Nov. 1985—Jan. 1999 Hawaii Operation in USA (Director/President of Subsidiary
Companies for Development and Construction Management)

Feb. 1999—Feb. 2005 Oversase HQ in Tokyo (General Manager in Engineering and
Construction Division)

Mar. 2005—Oct. 2006 Toyoko Inn Denken (GM in General Construction Division)

Nov. 2006—Current Giken Seisakusho Co., Ltd

Jan. 2007—Mar. 2010 Giken Europe B,V. (General Manager)

Apr. 2010—Jan. 2013 Intenational Business Dept. (General Manager)

Feb. 2013—Current IPA Support Dept. (General Manager)

Area of Profession

1. Overall project management (Engineering, Quality controll, Cost controll, Scheduling and Contracting in Japan / Singapore / USA)
2. Overall design coordination (Design cordination, Technical advise)
3. Project development (Project master planning, Project finance and re-finance, Contracting, Legal administration and Dealing in Real Estate in USA)
4. Company management (Oveall Business Administration and Promotion in USA)
5. Planning and execution of the long term plan and strategy for overseas business
6. Legal (Law suit, Arbitration and etc.) – USA / Singapore / Malaysia / Indonesia and UK)