

Information on Ikuo Towhata

1. Name and date of birth.

Name: Ikuo Towhata

Birth date: November 13th, 1954

2. Complete postal address and telephone, mobile, fax number, e-mail.

Address (home): 2-1-58-201, Takanawa, Minato-Ku, Tokyo, 108-0074, JAPAN

Tel.: +81-3-3280-5561

Mobile phone: +81-90-5761-7951

Fax.: +81-3-3280-5561 (same as tel.)

e-mail: towhata.ikuo.ikuo@gmail.com



3. Chronology of education and positions held.

Education:

Bachelor of Engineering

Department of Civil Engineering, University of Tokyo, March, 1977

Master of Engineering

Department of Civil Engineering, University of Tokyo, March, 1979

Doctor of Engineering

Department of Civil Engineering, University of Tokyo, March, 1982

Positions held:

Former Vice President for Asia, International Society for Soil Mechanics and Geotechnical Engineering.

President, Japanese Geotechnical Society

Director, Towhata Architects and Engineers, 3F, Nagata-Cho Building, 2-4-3, Nagata-Cho, Chiyoda-Ku, Tokyo 100-0014, JAPAN

Visiting Professor, Department of Civil Engineering, Kanto Gakuin University, 1-50-1, Mutsu-ura-Higashi, Kanazawa-Ku, Yokohama, 236-8501, JAPAN

Advisor, Chuo Kaihatsu Company, 3-13-5, Nishi-Waseda, Shinjuku-Ku, Tokyo 169-8612, JAPAN

4. Complete list of refereed publications in books and journals.

Book publication in English

Ikuo Towhata, I. (2008) Geotechnical Earthquake Engineering, ISBN 978-3-540-35782-7, Springer Verlag- Berlin Heidelberg.

Publications in refereed journals

1. Ishihara, K. and Towhata, I. (1983): "Sand Response to Cyclic Rotation of Principal Stress Directions as Induced by Wave Loads", *Soils and Foundations*, Vol.23, No.4, pp.11-26.
2. Towhata, I. and Ishihara, K. (1985): "Undrained Strength of Sand Undergoing Cyclic Rotation of Principal Stress Axes", *Soils and Foundations*, Vol.25, No.2, pp.135-147.
3. Towhata, I. and Ishihara, K. (1985): "Shear work and pore water pressure in undrained shear", *Soils and Foundations*, Vol.25, No.3, pp.73-84.
4. Towhata, I. and Islam, Md.S. (1987): "Prediction of Lateral Displacement of Anchored Bulkheads Induced by Seismic Liquefaction", *Soils and Foundations*, Vol.27, No.4, pp.137-147.
5. Towhata, I., Hamada, M., Yasuda, S., and Isoyama, R. (1987): "Study on Permanent Ground Displacement Induced by Seismic Liquefaction", *Computers and Geotechnics Journal*, Vol.4, pp.197-220.
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10. Towhata, I. and Kim Seung Ryull (1990): "Undrained Strength of Underconsolidated Clays and Its Application to Stability Analysis on Submarine Slopes under Rapid Sedimentation", *Soils and Foundations*, Vol.30, No.1, pp.100-114.

11. Ishihara, K., Acacio, A.A., and Towhata, I. (1993): "Liquefaction-Induced Ground Damage in Dagupan in the July 16,1990 Luzon Earthquake," *Soils and Foundations*, Vol.33, No.1, pp.133-154.
12. Sasaki, Y., Towhata, I., Tokida,K., Yamada, K., Matsumoto, H., Tamari, Y., and Saya, S. (1992): "Mechanism of permanent displacement of ground caused by seismic liquefaction", *Soils and Foundations*, Vol.32, No.3, pp.79-96.
13. Towhata, I., Sasaki, Y., Tokida, K., Matsumoto, H., Tamari, Y. and Yamada, K. (1992): "Prediction of Permanent Displacement of Liquefied Ground by Means of Minimum Energy Principle", *Soils and Foundations*, Vol.32, No.3, pp.97-116.
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5. Working history

- 1982.4.1-1982.9.30 Research Associate, University of Tokyo.
- 1982.10.1-1983.10.31 Post-Doctoral Fellow, University of British Columbia, CANADA.
- 1983.11.16-1985.4.22 Lecturer, University of Tokyo.
- 1985.4.23-1987.4.22 Assistant Professor, Asian Institute of Technology, Bangkok.
1986 - Associated Faculty of Chulalongkorn University, Bangkok.
- 1987.4.23-1987.7.31 Lecturer, University of Tokyo.
- 1987.8.1-1994.7.15 Associate Professor, University of Tokyo.
1989 - Associated research fellow at the Public Works Research Institute,
Ministry of Construction.
- 1994.7.16-2015.3.31 Professor, University of Tokyo
- 2015.4.1- Present Visiting professor, Kanto Gakuin University
Technical Advisor and then Director, Tohata Architects and Engineers
Technical Advisor, Chuo Kaihatsu Company

6. Affiliations

- Member of the Japanese Geotechnical Society
- Member of the Southeast Asian Geotechnical Society
- Member of the International Society of Soil Mechanics and Geotechnical Engineering
- Fellow Member of the Japan Society of Civil Engineers
- Member of the Japan Association for Earthquake Engineering
- Member of the Japan Landslide Society
- Member of the Architectural Institute of Japan
- Honorary Member of the Nepal Geotechnical Society
- Associate Member of Science Council Japan (2014-2020)
- Life Fellow of the Indian Geotechnical Society
- Fellow of the Japan Federation of Engineering Societies

7. Societal contributions

- Board member of Japan Landslide Society
- Chief Editor of *Soils and Foundations Journal*, the Japanese Geotechnical Society
- Chairman of Geotechnical Committee, Japan Society for Civil Engineers
- Vice President, Japan Association for Earthquake Engineering
- Appointed Board Member and then Vice President for Asia, International Society for Soil Mechanics and Geotechnical Engineering
- President, Japanese Geotechnical Society
- Chair of ATC3

8. Awards and fellowships

- 1985 Japanese Society of Soil Mechanics and Foundation Engineering, Award for the Best Paper by Young Authors.

1985 Awarded by the Minister of Education for the best performance in education by correspondence (in the field of electric engineering).

1997 Japanese Geotechnical Society, Award for the Best Paper of the Year 1996.

1998-1999 Shamsheer Prakash Research Award, USA, of Soil Dynamics.

2000 Japanese Geotechnical Society, Award for Distinguished Research Products.

2000 One of the best twelve papers out of 600 at GeoEng2000 Conference at Melbourne.

2004 Japanese Geotechnical Society, Award for the Best Paper of the Year 2003.

2004 Contribution Award by Japanese Geotechnical Society.

2009 Japan Society of Civil Engineers; Best book publication award.

2015 Japanese Geotechnical Society; Technological development award.

2016 Seelye Fellowship, University of Auckland, New Zealand.

2017 December 18-29 Invited lecturer for a two-week short course on “Advances in Geotechnical Earthquake Engineering,” GIAN (Global Initiative of Academic Networks), Government of India, venue: Indian Institute of Technology, Hyderabad