

CURRICULA VITAE

NAME: Ikuo Towhata
DATE OF BIRTH: November 13, 1954
NATIONALITY: Japanese
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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

ACADEMIC EXPERIENCES:

1982.4.1–1982.9.30 Research Associate, University of Tokyo.
1982.10.1–1983.10.31 Post-Doctoral Fellow, University of British Columbia.
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
2016.6 Professor Emeritus, University of Tokyo
2015.4.1–Present Visiting professor, Kanto Gakuin University, Yokohama, Japan
2016.7.25–12.19 Distinguished visiting professor, Indian Institute of Technology, Bombay
Technical advisors for three private sectors:
Tohata and Associates (architectural office), Seirin-sha Company (real estate management) and
Chuo Kaihatsu (geotechnical consultant)

AFFILIATIONS AND MEMBERSHIPS:

Member of the Japanese Geotechnical Society
Life 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
Honorary member of the Nepal Geotechnical Society
Associate Member of Science Council Japan (2014-2020)
Fellow of the Indian Geotechnical Society

2009–2012 Vice President, Japan Association for Earthquake Engineering
2013–2017 Vice President for Asia, International Society for Soil Mechanics and Geotechnical Engineering
2014–2016 President, Japanese Geotechnical Society

AWARDS:

- 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 Shamsher 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; not included in best three.
- 2004 Japanese Geotechnical Society, Award for the Best Paper of the Year 2003
- 2009 29th Japan Society of Civil Engineers; Best book publication award
- 2015 Japanese Geotechnical Society; Technological development award
- 2016 Seelye Fellowship, University of Auckland, New Zealand

FIELDS OF MAJOR INTEREST:

Deformation characteristics of cohesionless soils.
Dynamic analysis of earth structures during earthquakes.
Permanent displacement of ground caused by seismic liquefaction.
Soil improvement by densification and grouting
Microscopic Observation of Granular Behavior of Sand Subjected to Shear
Dynamics of landslide and debris flow.
Mechanical Properties of Municipal Waste Ground
Seismic performance-based design of geotechnical structures
Mitigation of rainfall-induced slope instability

RECENT ACTIVITIES:

Recovery and retrofitting for future of infrastructures (residential islands, river levees and Fukushima No.1 nuclear power plant) that were damaged by the 2011 Tohoku gigantic earthquake.

PUBLICATIONS:

More than 400 English papers in international journals and conferences, including a comprehensive book on geotechnical earthquake engineering:

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