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CURRICULA VITAE (Short version)

Name: Ikuo Towhata  
Date of Birth: November 13, 1954  
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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:

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)

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 May 29th Japan Society of Civil Engineers; Best book publication award

2015 June Japanese Geotechnical Society; Technological development award

#### Fields of Major Interest:

1. Deformation characteristics of cohesionless soils.
2. Dynamic analysis of earth structures during earthquakes.
3. Permanent displacement of ground caused by seismic liquefaction.
4. Soil improvement by densification and grouting
5. Microscopic Observation of Granular Behavior of Sand Subjected to Shear
6. Dynamics of landslide and debris flow.
7. Mechanical Properties of Municipal Waste Ground
8. Seismic performance-based design of geotechnical structures
9. 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.**

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

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