

FUMIO TATSUOKA

Major academic experiences:

2004 to date: Professor, Department of Civil Engineering, Tokyo University of Science
1977 - 2004: Associate Professor then Professor, Department of Civil Engineering, University of Tokyo
1973 - 1977: Research Engineer, Public Works Research Institute, Ministry of Construction
1973: Dr. of Eng. in Geotechnical Engineering, University of Tokyo

Research Interests:

Laboratory testing methods for geomaterials; Deformation and strength characteristics; Foundation engineering; and Ground improvement by cement-mixing and soil reinforcing

Awards:

(Domestic) 1974 Young Researcher Award, Japanese Geotechnical Society (JGS); 1986 Best Paper Award, JGS; 1992 Best Technical Contribution Award, JGS; 1995 Best Paper Award, Japanese Society for Civil Engineers (JSCE); 2004 Best Technical Development Award, JSCE; 2005 Best Technical Paper Award, IGS Japanese Chapter; 2008 Best Technical Development Award; 2009 Best Technical Development Award, IGS Japanese Chapter; 2014 Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology (Prizes for Science and Technology, Research Category)

(International) 1994 IGS Award; 1996-1997 Mercer Lectureship, IGS; 1996, 2000 & 2003 Hogentoglar Award, ASTM; 1997 Best Paper Award, the Ground Improvement Journal, ISSMG; 2007, 2008, 2010 (two times) & 2011: Best Paper Award, *Geosynthetics International*; 2008 Best Paper Award, *Geotextiles and Geomembranes*; 2009 Best Paper Award, *Journal of GeoEngineering* (Taiwan Geotechnical Society); 2011 Bishop Lectureship, TC 101, ISSMGE

Major society activities:

1988-1993 Secretary of JGS; 1995-1999 Soils and Foundations, Journal of JGS; 1999-2001 Editor in Chief, Journal of JSCE; 1994-2001 Chairperson, ISSMGE TC 29; 2001-2005 Vice President, ISSMGE; 2001-2002 Vice President, JGS; 2005-2006 Vice President, JSCE; 1997-2006 Chairman, IGS Japanese Chapter; 2002-2006 Vice President, IGS; 2007-2008 President, JGS; 2006-2010 President, IGS; 2010-2014 Immediately Past President, IGS

Recent invited lectures:

Tatsuoka, F. (2008): Geosynthetics Engineering, combining two engineering disciplines, Special Lecture, *GeoSyntheticsAsia*, Shanghai, Vol. 2, pp.1-35.

Tatsuoka, F. (2008): Recent developments in practice and research of geosynthetic-reinforced earth structures in Japan, Invited Special Lecture, *30th Baugrundtagung, the German Geotechnical Society*, Dortmund

Tatsuoka, F. (2008): Geosynthetic-reinforced soil structures: cost-effective solution combining two engineering disciplines, 19th Carrillo Lecture, Mexican Society for Soil Mechanics, Aguascalientes

Tatsuoka, F. (2009): Rate effects on elastic and inelastic stress-strain behaviours of geomaterials observed in experiments, Burmister Lecture, *Poromechanics IV*, New York

Tatsuoka, F., Tateyama, M. and Koseki, J. (2012): GRS structures recently developed and constructed for railways and roads in Japan, Keynote lecture, *Proc. Second International Conference on Transportation Geotechnics (IS-Hokkaido 2012)* (Miura et al., eds.): 63-84.

Tatsuoka, F. and Tateyama, M. (2012): Geosynthetic-reinforced soil structures for railways in Japan, Keynote Lecture, *International Conference on Ground Improvement and Ground Control (ICGI 2012)*, Wollongong.

Tatsuoka, F., Koseki, J. and Kuwano, J. (2014): Natural disasters mitigation by using construction methods with geosynthetics (earthquakes), Keynote Lecture, *Proc. 10th International Conference on Geosynthetics*, Berlin, September.

Tatsuoka, F. (2015): Compaction characteristics and physical properties of compacted soil controlled by the degree of saturation, Keynote Lecture, *Proc. of 15th Pan-American Conference on Soil Mechanics and Geotechnical Engineering and 6th International Conference on Deformation Characteristics of Geomaterials*, Buenos Aires.

