CURRICULUM VITAE: Kazuya YASUHARA

◆Date and Place of Birth:

September 11, 1944, Ibaraki Japan

◆Academic Career:

- 1968: Graduated from Kyushu University, Japan
  (Department of Civil Engineering, School of Engineering),
- 1978: Awarded Ph. D. at Kyushu University

◆Professional Career:

- 1968 Research Assistant at Kyushu University, Japan
- 1990 – 2007 Professor at Ibaraki University
  (Department of Urban and Civil Engineering), Japan
- 2007–2009 Head of the Department at the same
- 2009 -2010 Professor at Ibaraki University
  (Department of Urban and Civil Engineering), Japan
- 2010 Professor Emeritus of Ibaraki University, Japan
- 2010-2015 International Project Coordinator, Institute for Global Change Adaptation Science (ICAS), Ibaraki University, Japan
- 2010 - 2014 Review Editor for IPCC AR5 (Ch. 29 and Technical Summary)
- 2015- Specially Appointed researcher, ICAS, Ibaraki University, Japan

◆Overseas Experience

Sabbatical leaves taken during work and study periods were the following.

- 1979–1981: Visiting Professor at University of Illinois at Urbana-Champaign, Ill.,USA
- 1986–1987: Research Fellow at Norwegian Geotechnical Institute, Oslo, Norway

◆Awards:

- 1978: JSSMFE Award for Outstanding Young Researcher
  (Cyclic Behaviour of Cohesive Soils Related to Transportation Facilities)
- 1999: American Society of Civil Engineer's Best Paper Award (Material Engineering Division)
  for Development of Innovative Lightweight Geo-material
- 1999: JGS Award for Meritorious Service
- 2000: Groundwater Science and Technology Award (IAHR)

• 2004: JGS Award for the Best Research Achievement
(Cyclic behaviour of clays and Its application)
• 2006: Best Paper Award from Japan Chapter of International Geosynthetics Society
• 2008: JGS Meritorious Research Award for Ground Environment
(Development of innovative geo-materials using used tire-chips)

◆Current Research Themes of the Issue

Climate change-induced compound geo-disasters in Asia-Pacific regions and their adaptation
Countermeasures against earthquake-induced settlements of infrastructures

◆List of Recent Publications (Mainly, Relevant to Climate Change, *in English*)

Yasuhara, K., Tamura, T., Van, T. C. and Duc, D. M. (2016). Geotechnical Adaptation to the Vietnamese Coastal and Riverine Erosion in the Context of Climate Change, *Geotechnical Engineering Journal of the SEAGS & AGSSEA* Vol. 47 No. 1, March 2016 ISSN 0046-5828

Yasuhara, K., Murakami, S. and Mimura, N. (2015). Inundation Caused by Sea-Level Rise Combined with Land Subsidence, *Geotechnical Engineering Journal of the SEAGS & AGSSEA* Vol. 46 No. 4 December 2015 ISSN 0046-5828

Do Minh Duc, Kazuya Yasuhara, Mai Trong Nhuan, and Nguyen Ngoc Truc (2014): Adaptation to Climate Change-Induced Geodisasters in Coastal Zones of the Asia-Pacific Region, Engineering Geology for Society and Territory - Volume 1 , 2015, pp 149-152 ,Date: 24 Aug 2014

Tamura,M., K.Yasuhara, N.Shirai and M.Tanaka(2014) "Wise Adaptation to Climate Change: Japan's Case," In: A.Prutsch, S.McCallum, T.Grothmann,R.Swart and I.Chauser (eds.), Climate Change Adaptation Manual: Lessons Learned from European and Other Industrialized Countries, Routledge, pp.314-319.

Yasuhara,K., Komine,H., Sato,K., and Duc,D.M. (2013): Geotechnical response to climate change-induced disasters at Vietnamese coasts and rivers: A perspective, *Proceedings of Geotechnics for Sustainable Development - Geotech Hanoi 2013*, 3-21, 2013.11.27-29.

Komatsu,T., Shirai,N., Tanaka,M., Harasawa,H., Tamura,M. and Yasuhara,K. (2013): Adaptation Philosophy and strategy against climate change-induced geo-disasters, Proc. 10th JGS Symp. on Environmental Geotechnics, Sept.17-18, Tokyo, Japan, 76-82.

Yasuhara, K., Van, T.C., and Duc, D.M.: Geosynthetics-aided adaptation against coastal instability caused by sea-level rise, Proc. Geosynthetics Asia 2012, Bangkok, Thailand, Dec., 2012.

Mimura, N., Yasuhara, K., Kawagoe, Yokoki, H. and Kazama, S., Damage from the Great East Japan Earthquake and Tsunami - A quick report, Mitig Adapt Strateg Glob Change, DOI 10.1007/s11027-011-9297-7, 2012.

K. Yasuhara, H. Komine, S. Murakami, G. Chen, Y. Mitani, D.M. Duc, Effects of climate change on geo-disasters in coastal zones and their adaptation, Geotextiles and Geomembranes, Vol. 30, pp. 24-34, 2012.

Yasuhara, K.,, Komine, H., Yokoki, H., Suzuki, T., Mimura, N., Tamura, M and Chen, Q..: Effects of climate change on coastal disasters: new methodologies and recent results, Sustainability Science, 6:219–232 DOI 10.1007/s11625-011-0127-3

Yasuhara, K., Tamura, M., Ling, F. H.,Prabhakar, S.V.R.K. and Herath, S.,: Overcoming barriers to climate change adaptation: role and comparison of international networks, Proc. JSCE, Vol. 67, No. 6, II-203-212, 2011.

Yasuhara, K., Komine, H., Chen,Q., Murakami, S. And Mitani, Y. :Effects of climate change on geo-disasters in coastal zones, Journal of Global Environmental Engineering, JSCE, Vol. 15, 15-23, 2010.

Yasuhara, K., Nishiwaki, K, Komine, H. and. Murakami, S. : Instability of sand undergoing earthquakes after groundwater level rise, Proc. International Conf. on performance-based design in earthquake, Tsukuba, Japan, CD-ROM No. 363, 2009.

Yasuhara, K., Komine, H., Murakami, S. and Shibata, H. : Instability of foundations undergoing rise in groundwater level, Proc. International Conference on Foundations, No.136,1615-1624, 2008.

Yasuhara,K. Murakami, S. and Komine, H. : Settlement of foundations affected by groundwater level rise, Proc. 13th Asian Reg. Conf. Soil Mech. & Founds. Eng., Vol. 1, 2007.12.

Yasuhara, K. and Juan, R. : Geosynthetic-wrap around revetments for shore protection, Geotextiles and Geomenbranes, Vol. 10, No. 1, 1-12, 2007.4 .

Yasuhara, K, Murakami, S, Mimura, N., Komine, H. and Juan, R.: Influence of global warming on coastal infrastructural instability, Journal of Sustainable Science, Vol. 2, No. 1, pp. 13-26, 2007.

Yasuhara, K., Murakami, S. and Mitsuyama, S. : Instability of foundations undergoing rise in groundwater level, Proc. International Symp. on Groundwater Problems Related to Geo-environment (IS-Okayama), Vol. 1, pp. 205-210, 2003.5.

Yasuhara, K. and Murakami, S. : GIS for seismic risk evaluation of piled foundations in land subsidence area, Proc. 15th Intn'l Conf. Soil Mech. & Geotech. Eng., Vol. 2, 1043 – 1046, 2001.8.

Yasuhara, K. and Murakami, S. : GIS for seismic risk evaluation of piled foundations in land subsidence area, Proc. 15th Intn'l Conf. Soil Mech. & Geotech. Eng., Vol. 2, 1043 – 1046, 2001.8.