

SCIENTIFIC CURRICULUM VITAE

1. Personal details

1	Full name	Kazuya Yasuhara	Year of birth	1944	Male <input checked="" type="checkbox"/> Female <input type="checkbox"/>
	Academic title	Professor Emeritus	Administrative position		
2	Institution and address	2-1-1 Bunkyo, Mito, Ibaraki, 310-8512, Japan			
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2. Qualifications:

Year	Academic Institution	Major	Academic degree
1978	Kyushu University	Geotechnical Engineering	Ph. D.

3. Personal experience:

Year	Institution	Address	Position

4. Language (Rating: A- Poor; B- Fair; C- Sufficient; D- Fluent)

Language	Reading	Writing	Speaking
Japanese	D	D	D
English	C	C	C

5. Expertise and research interests

5.1. Main research orientation (within the last 5 years)

5.2. List of research projects (within the last 5 years)

No	Project name	Funding institution and funded amount	Duration	Position/role in the project
..1	Clay behavior under earthquakes	Ministry of Education, Japan	4	Project leader

5.3. Publications and accomplishments (*List all articles in specialized scientific journals, scientific conference proceedings, and scientific awards, in order: author's name; year of publication; name of research results published; journal name / publisher; number, volume release; site of construction; ISSN number*). See the separate sheet.

5.3.1 Articles in science and technology journal are on the list of SCI, SCIE, SSCI or AHCI of the Institute of Information Science (ISI), USA (including ISSN number)

No	Author	Year	Publications	Publishers/No, vol, page	ISSN/ISBN	Proof (*)	Notes

5.3.2 Other published or registered research results (international, domestic, reports, scientific awards, ...)

No	Author	Year	Publications	Publishers/No, vol, page	ISSN/ISBN	Proof (*)	Notes

5.3.3 Published books/textbooks

No	Author	Year	Publications	Publishers/No, vol, page	ISSN/ISBN	Proof (*)	Notes

I pledge and take responsibility for the accuracy of the information provided in this scientific resume.

APPLICANT'S INSTITUTION

23/July, 2019....., date/month/year

(Sign, full name, and sealed)



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

K. Yasuhara, H. Watanabe, K. Kobayashi, M. Yoshimi, Y. Arai, S. Hosoya, M., S. Tajiri, and S. Murakami (2018): Instability of residences founded on volcanic cohesive soils during the 2016 Kumamoto Earthquake, *Lowland Technology International*, 19/3, pp. 205-216: ISSN 1344-9656.

K. Yasuhara, K., Kawagoe, S. and Araki, K.: Geo-disasters in Japan in the Context of Climate Change (2017). *Geotechnical Engineering Journal of the SEAGS & AGSSEA*, Vol. 48 No. 1, pp. 1-11, March 2017 ISSN 0046-5828

Do Minh Duc¹ & Kazuya Yasuhara² & Nguyen Manh Hieu¹ & Nguyen Chau Lan³(2017) Climate change impacts on a large-scale erosion coast of Hai Hau district, Vietnam and the adaptation, *J Coast Conserv.*, 21:47–62, DOI 10.1007/s11852-016-0471-7.

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.

◆ **List of Recent Publications Part 2 (Limited to Publications Relevant to Earthquake-Geotechnics and Geohazards, in English)**

Yasuhara, K., Tsukamoto, H., Taneichi, K., Konami, T., Kubota, T.: An expanded polystyrene foam (EPS) Road Robust to Successive Great Kumamoto Earthquakes in 2016, *Geotechnical Engineering Journal of the SEAGS & AGSSEA* Vol. 48 No. 4 Dec. 2019 ISSN 0046-5828 (in press).

K. Yasuhara, H. Watanabe, K. Kobayashi, M. Yoshimi, Y. Arai, S. Hosoya, M., S. Tajiri, and S. Murakami (2018a): Instability of residences founded on volcanic cohesive soils during the 2016 Kumamoto Earthquake, *Lowland Technology International*, 19/3, pp. 205-216: ISSN 1344-9656.

Yasuhara, K., Yang, S.S., Horikawa, T. and Yamane, H. (2018b): Settlement of River Dykes and their Adjacent Residences on Soft Clay Deposits after the Tohoku-Pacific Ocean Earthquake in 2011, *Geotechnical Eng. Journal of the SEAGS & AGSSEA* Vol. 40 No. 2, pp. 41-48, June 2018, ISSN 0046-5828.

Yasuhara, K., Yang, X. S., Horikawa, T., and Yamane, H (2018c): Reactive Measure Effects on River Dyke Instability and Adjacent Residences on Soft Clay Deposits after the Tohoku-Pacific Ocean Earthquake of 2011, *Proc. 1st International Conf. on Press-in Engineering 2018*, pp. 233-242, Kochi, Japan, Sept. 20, 2018.

Yasuhara, K., Kobayashi, K., Watanabe, M., Yoshimi, M., Arai, Y., and Murakami, S. (2017): Instability of residences on volcanic ash cohesive soils during the 2016 Kumamoto Earthquake, Proceedings of the International Workshop on the 2016 Kumamoto Earthquake, March 6, Fukuoka, Japan, pp. 139-146.

Yasuhara, K., Murakami, S., Koarai, M., Ito, T. and Tsutsui, K.: Lesson learned from flood damage in Kinu River during the Kanto-Tohoku localized torrential downpour in 2015, Proc. International Symp. Hanoi Geoengineering 2016, pp. 16-23, Hanoi, Vietnam, 2016.

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

Yasuhara, K. and Kazama, M. Land subsidence of clay deposits after the Tohoku-Pacific Ocean Earthquake, Proc. IAHS, 372, 211-216, doi:10.5194/piahs-372-211-2015, 2015.

Yasuhara, K. and Shiomi, T. and Murakami, S. Coastal dykes stability improvement as adaptation to climate change, Proc. International Conf. Geo Hanoi 2015, pp. 1-7, Hanoi, Vietnam.

Ohmukai, N., Rito, F. and Yasuhara, K. Objective seismic motions for liquefaction countermeasures in residential areas of Inashiki City, Ibaraki, Japan, 15th Asian Reg. Conf. on SMGE, Vol. 1, JPN 129, Fukuoka, Japan, 2015.

Motohashi, Y., Yasuhara, K. and Murakami, S. Groundwater level lowering effects for reducing damage to existing residences during earthquakes, Proc. 15th Asian Reg. Conf. on SMGE, Vol. 1, JPN 149, Fukuoka, Japan, 2015.