ACADEMIC SHORT CV



NAME:Ryosuke UZUOKACURRENT POSION:Professor of Geotechnical Engineering

Academic Qualifications:

- 2000 D.E. Geotechnical Engineering, Gifu University
- 1990 M.E. Geotechnical Engineering, Kyoto University
- 1988 B.E. Geotechnical Engineering, Kyoto University

Membership and Committees:

Japanese Society of Civil Engineers, International Society for Soil Mechanics and Geotechnical Engineering, Japanese Geotechnical Society, Japan Association of Earthquake Engineering

Present and recent interests of research:

- Computational Geotechnical Engineering: Numerical analysis on soil-water-air coupled behavior
- Earthquake Geotechnical Engineering: Soil liquefaction, Slope failure, Soil-structure seismic interaction

Research Publications:

Refereed Journal Articles:

- Uzuoka, R. and Semba, K.: Numerical analysis of liquefaction in a river levee on soft cohesive ground, Journal of Disaster Research, 7(6), 711-717, 2012.
- Uzuoka, R. and Borja, R.I.: Dynamics of unsaturated poroelastic solids at finite strain, Int. J. Numer. Anal. Meth. Geomech., 36, 1535-1573, 2012.
- Uzuoka, R., Cubrinovski, M., Sugita, H., Sato, M., Tokimatsu, K., Sento, N., Kazama, M., Zhang, F., Yashima, A., Oka, F.: Prediction of pile response to lateral spreading by 3-D soil-water coupled dynamic analysis: Shaking in the direction perpendicular to ground flow, Soil Dynamics and Earthquake Engineering, 28(6), 436-452, 2008.
- Uzuoka, R., Sento, N. and Kazama, K.: Seepage and inertia effect on rate-dependent reaction of a pile in liquefied soil, Soils and Foundations, 48(1), 15-26, 2008.

Papers in Refereed Conference Proceedings:

- Uzuoka, R., Kazama, M., Sento, N. and Unno, T.: Simulation of liquefaction of unsaturated sand using porous media theory, Proc. of 17th International Conference on Soil Mechanics and Geotechnical Engineering, Alexandria, pp.618-621, 2009.
- Uzuoka, R., Sento, N., Kazama, M. and Horimi, S.: Failure mechanism of a riverbank along the Mekong River during a decline in the water level, Proc. of 13th Asian Regional Conference of Soil Mechanics and Geotechnical Engineering, Kolkata, Vol. I, Part II, pp.935-938, 2007.