



Dr. Ilhan Chang
Associate Professor, Ph.D., M.S.

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Education

- 2010.08 Ph.D. in Geotechnical Engineering, Department of Civil and Environmental Engineering (CEE), Korea Advanced Institute of Science and Technology (KAIST)
2006.02 M.S. in Geotechnical Engineering, Dept. CEE, KAIST
2004.02 B.S. in Civil Engineering, Dept. CEE, KAIST

Employment

- 2020.09 – Present *Associate Professor*, Department of Civil Systems Engineering, Ajou University, Korea
2020.09 – Present *Adjunct Senior Lecturer*, School of Engineering and Information Technology (SEIT), University of New South Wales (UNSW) Canberra, Australia
2018.07 – 2020.08 *Senior Lecturer*, SEIT, UNSW Canberra, Australia
2017.04 – 2018.06 *Senior Lecturer*, SEIT, UNSW Canberra, Australia
2016.03 – 2017.03 *Adjunct Associate Professor*, Department of Geotechnical & Geo-Space Engineering, University of Science & Technology (UST), Korea
2014.09 - 2014.12 & 2015.09 - 2015.12 *Invited Professor*, Dept. CEE, KAIST, Korea
2011.12 – 2017.02 *Senior Researcher*, Geotechnical Engineering Research Institute, Korea Institute of Civil Engineering and Building Technology (KICT), Korea
2011.04 – 2011.12 Research Assistant Professor, Dept. CEE, KAIST, Korea

Scholarly Achievements (on September 2021)

- Scholar Indices *h-index*: 21 (Google scholar), 19 (Scopus)
i10-index: 30 (Google scholar), 28 (Scopus)
Publications Peer-reviewed journal articles: 43; International conference papers: 66
IPs Patents: 13 (1 USA, 12 South Korea); Technical transfer: 2

Higher Degree Research (HDR) student supervision

- Ph.D. Completed: 3; In progress: 8 (UNSW 1, Ajou Univ. 4, KAIST 1, Co-supervision 2)
M.S. Completed: 4; In progress: 5 (Ajou Univ. 4, KAIST 1)

Editorial Services

- Chief Editor *Geomechanics and Engineering* journal (ISSN: 2005-307X)
Associate Editor *KSCE Journal of Civil Engineering* (ISSN: 1226-7988)
Editor *Applied Sciences* (ISSN: 2076-3417), *Energies* (ISSN: 1996-1073)
Reviewer *Construction and Building Materials*, *Journal of Geotechnical and Geoenvironmental Engineering*, *Nature Geosciences*, *Scientific Report*, *Geoderma*, *Catena*, *Acta Geotechnica*

- Research Interest** *E³* (Environmental- Emerging- and Extreme-) and *SURE* Geotechnical Engineering
Sustainability Soil erosion and prevention, Biopolymer-based soil treatment (BPST), Hydrogeotechnology
Urban utilization Underground spaces, TBM tunneling, Bioinspired geotechnical engineering structures
Resilience Geotechnical engineering hazards control, Post-wildfire site recovery, Soil revitalization
Environmental Anti-desertification, Eco-friendly ground improvement,