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BIRTH DATE: 21 January, 1967

NATIONALITY: Republic of Korea

EDUCATION

Kyungpook National University, B. S. Geology (1991)

Kyungpook National University, M. S. Applied Geology (1993)

Nagoya University, Ph. D. Geotechnical & Environmental Engineering (1999)

CAREER

2003-present: Professor in Dept. of Earth & Environmental Sciences, Chungbuk National University

2005-2014: Executive Committee Member of the Korean Society of Engineering Geology

2015-2019: Vice president of the Korean Society of Engineering Geology

2019-present: President of the Korean Society of Engineering Geology

2017-present: Representative of Korean National Group

2020-present: Dean of College of Natural Sciences, Chungbuk National University

PUBLICATIONS

- Effects of Breccia and Water Contents on the Mechanical Properties of Fault-core-zone Materials, Scientific Report, 2022, 12:7093.
- Suggestion of advanced regression model on friction angle of fault gouge in South Korea, J. Rock Mechanics and Geotechnical Engineering, 2021, 13(6), 1368-1379.

- Inspection Method Validation of Grouting Effect on an Agricultural Reservoir Dam, *The Journal of Engineering Geology*, 2021, 31(3), 381-393.
- Estimation of the Structural and Geomechanical Anisotropy in Fault Gouges Using 3D Micro-Computed Tomography (μ -CT), *Sensors*, 2020, 20.
- Classification of geological and engineering properties in weak rock: a case study of a tunnel in a fault zone in southeastern Korea, *Bulletin of Engineering Geology and the Environment*, 2019, 78, 445-458.
- Relationship between shear strength and component content of fault cores, *Economic and Environmental Geology*, 2019, 52(1), 65-79.
- Determination of representative elementary volume of fault core materials by particle distribution analysis, *Geosciences Journal*, 2018, 22(1), 105-119.
- Interaction between an eco-spiral bolt and crushed rock in a borehole evaluated by pull-out testing, *Advances in Materials Science and Engineering*, 2017, 1-9.
- Physical and chemical weathering indices for biotite granite and granitic weathered soil in Gyeongju, *The Journal of Engineering Geology*, 2017, 27(4), 451-462.
- Analysis of Fe seepage water and precipitates around hydrothermal alteration zone, *The Journal of Engineering Geology*, 2017, 27(3), 345-351.
- Effect of particle shape on the shear strength of fault gouge, *Geosciences journal*, 2016, 20(3), 351-359