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Curriculum Vitae

Education

- 2002 Habilitation thesis in Mechanics, Graz University of Technology, Graz (Austria).
- 1992 Dr. techn. (Doctor of Sciences with distinction), Graz University of Technology.
- 1989 PhD thesis at the Institute of Soil Mechanics and Rock Mechanics, University of Karlsruhe (Germany).
- 1983 Dipl.-Ing. (equivalent to Master of Science), Faculty of Civil Engineering, Graz University of Technology.

Current Position

- since 2002 ao.Univ.-Professor at the Institute of Applied Mechanics, Graz University of Technology. Lectures on statics, dynamics, continuum mechanics and mechanics of materials.
- since 2013 Visiting Professor at Hohai University in Nanjing, China.

Research Interest

Mechanical properties of granular materials, shear band localization, creep, interface behaviour, continuum mechanics, numerical modelling of micro-structures of materials, long term behaviour of soil and weathered rockfills, constitutive modelling of engineering materials including MBT waste.

Academic and Professional Activities

- 2017 Co-Organizer of the 4th Int. Conference on Long Term Behaviour and Environmentally Friendly Rehabilitation Technologies of Dams (LTBD 2017), Tehran, Iran.
- 2015 Organizer and Co-Chair of the Mini-Symposium on Mechanics of Granular Media, 9th European Solid Mechanics Conference (ESMC 2015), Madrid, Spain.
- 2015 Organizer and Co-Chair of the 3rd Int. Conference on Long Term Behaviour and Environmentally Friendly Rehabilitation Technologies of Dams (LTBD 2015), Nanjing, China.
- 2012 Organizer and Co-Chair of the Mini-Symposium on Mechanics of Granular Media, 8th European Solid Mechanics Conference (ESMC 2012), Graz, Austria.
- 2009 Chairman of the 2nd Int. Conference on Long Term Behaviour of Dams (LTBD09), Graz, Austria.
- 2008 Organizer and Co-Chair of the 1st Int. Conference on Long Time Effects and Seepage Behaviour of Dams (LTESBD08), Nanjing, China.

Research projects in Europe and USA using the New Austrian Tunnelling Method (NATM).

Project leader of scientific-technical co-operation with universities in Europe and Asia, including Tsinghua University in Beijing (China), Hohai University in Nanjing (China), University of Zielona Gora (Poland), Budapest University of Technology and Economics (Hungary), University Politecnica de Catalunya (Spain), Ecole Centrale de Nantes (France), Czech Academy of Sciences (Czech Republic), University of Zagreb (Croatia), Szechenyi Istvan University (Hungary).

PhD thesis examiner, member of the editorial board of Water Science and Engineering, recently guest editor of Acta Mechanica and of Frontiers of Structural and Civil Engineering. Regular reviewer of papers for various international journals including Int. J. for Numerical and Analytical Methods in Geomechanics; Int. J. of Geomechanics and Geoengineering; Acta Geotechnica, Acta Mechanica, Granular Matter; European Journal of Mechanics; Continuum Mechanics and Thermodynamics; Int. J. of Solids and Structure, Computers & Geotechnics, Mechanics Research Communications; Int. J. of Non-Linear Mechanics; J. of Geotechnical and Geoenvironmental Engineering.

Publications and Presentations

146 papers in scientific journals and books, 137 oral scientific presentations.

Graz, June 2018