

# Curriculum Vitae

Name: Erich BAUER, ao.Univ.-Prof., Dipl.-Ing. Dr., habil.  
Date of Birth: 4th May 1954  
Nationality: Austria  
Current Position: Deputy Head of the Institute of Applied Mechanics  
Address: Institute of Applied Mechanics, Graz University of Technology  
Technikerstrasse 4 / II, A-8010 Graz, Austria, Europe  
Phone: +43 316 873 71 48  
Fax: +43 316 873 76 41  
Email: [erich.bauer@tugraz.at](mailto:erich.bauer@tugraz.at)



## 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 M.Sc.), Faculty of Civil Engineering, Graz University of Technology.

## Main Teaching Interests and Courses Developed

Lectures on statics, dynamics, strength of materials, hydro mechanics, vector and tensor analysis, continuum mechanics and theory of materials.

## Academic and Professional Activities

- 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 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.

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

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

## Research Interest

Continuum mechanics with application to engineering materials including granular media, soils and rockfills. Numerical modelling of micro-structures of materials, long term behaviour of soil and weathered rockfills, shear band localization, creep, interface behaviour.

## Publications and Presentations

116 papers in scientific journals and books, 108 oral scientific presentations including invited plenary lectures at congresses, symposia, workshops and seminars in Europe, Africa, America, Asia and Australia.