

## **Erich BAUER**

ao.Univ.-Prof., Dipl.-Ing., Dr.techn., habil.

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## **Curriculum Vitae**

### **Education**

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

### **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

### **Professional Activities and Co-operations**

Research projects in Europe and USA using the New Austrian Tunnelling Method (NATM). Organizer and Co-organizer of numerous congresses, seminars, mini-symposia and workshops in Europe and Asia. Chairman of the 2nd Int. Conference on Long Term Behaviour of Dams (LTBD09). Visiting professor at Hohai University in Nanjing, China.

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)

PhD thesis examiner, member of the editorial boards of Frontiers of Structural and Civil Engineering, Water Science and Engineering and guest editor of Acta Mechanica. 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.

### **Research Interest**

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

### **Publications and Presentations**

112 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.