

Location

The conference will take place at Vienna University of Technology, which is located in the center of the city. Vienna's most impressive sights are within walking distance of Vienna University of Technology.

It can be easily reached by public transport from Vienna International Airport, which provides direct flights to 170 destinations worldwide.

Accommodation

Block reservations at preference rates are arranged by the organizers. Detailed information will be available on the conference webpage in due course.

Social Programme

Welcome Cocktail

It will be offered on Wednesday, July 10, in the Cupola Hall of Vienna University of Technology.

Banquet

The banquet, given by the Mayor of the City of Vienna, will take place in the picturesque City Hall on Thursday, July 11.

Registration Fees

Early registration fees are applicable if payment is received not later than February 28, 2013.

	Early	Late
Delegates	€ 500	€ 550
Students	€ 250	€ 300

The fees include the Proceedings, coffee breaks, the welcome cocktail, and the banquet.



Important Dates

Mini-symposia proposal, deadline	June 30, 2012
Mini-symposia acceptance, deadline	August 15, 2012
Abstract submission, deadline	November 15, 2012
Notification of acceptance	January 10, 2013
Full-paper submission, deadline	February 28, 2013
Early registration, deadline	February 28, 2013

Conference Secretariat

Correspondence should be sent to:

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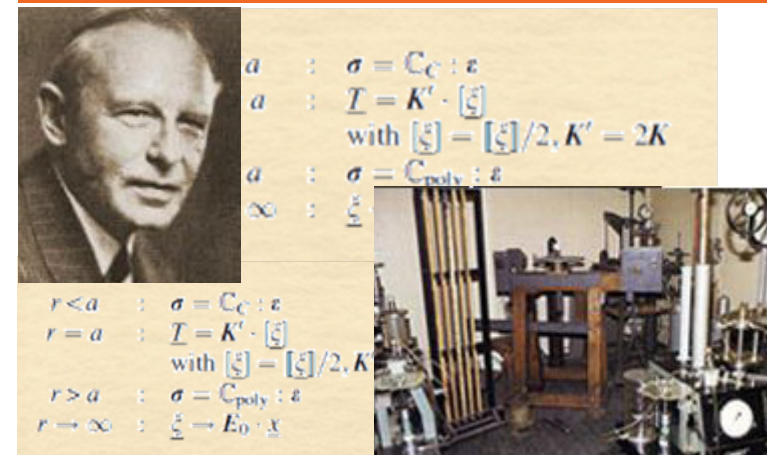
BIOT-5

<http://biot2013.conf.tuwien.ac.at>

5th BIOT Conference on Poromechanics

commemorating the 50th Anniversary of Karl von Terzaghi's Death

July 10-12, 2013 | Vienna, Austria



TECHNISCHE
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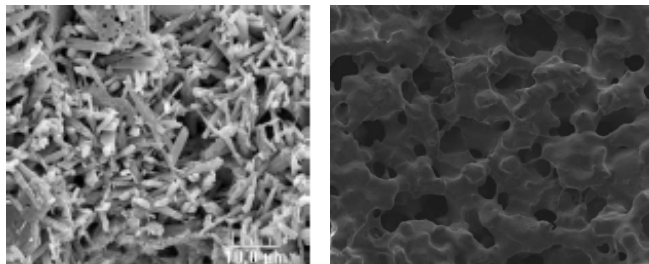


ENGINEERING
MECHANICS
INSTITUTE

Scope and Invitation

The first Biot conference on Poromechanics was held in 1998 at the Université catholique de Louvain (Belgium), the Alma Mater of Maurice Anthony Biot (1905-1985), the founder of the field that is commonly referred to as Biot theory of poroelasticity, a field with unparalleled impact on a wide variety of disciplines, including civil and biomedical engineering, geophysics, acoustics, and materials science. This first conference, with its truly multidisciplinary nature, was so successful that the Poromechanics community continued to meet and exchange ideas in a four-year interval, 2002 at Université Joseph Fourier (Grenoble, France), 2005 at Oklahoma University (where the Biot centennial was celebrated), before BIOT-4 was hosted, in 2009, by Columbia University (New York, USA) where Biot, as the Professor of Mechanics, wrote his seminal 1941-paper on "General theory of three-dimensional consolidation", which made him the Father of Poromechanics.

As the year 2013 approaches, it seems appropriate to commemorate the "Grandfather" of Poromechanics, Karl von Terzaghi (1883-1963), the founder of consolidation experiments and theoretical soil mechanics in general. We will do so at the Vienna University of Technology (TU Wien), the first university who granted Terzaghi, in 1929, a full professorship on the topic, and the place where Terzaghi established the, at that time, largest and most comprehensive soil mechanics laboratory in the world. Following the great examples of Terzaghi and Biot, our focus will be on the beneficial interaction of experiment, theory, and computation, and the merging of often over-specialized disciplines into a unified natural science viewpoint, jointly driven forward by scientists and engineers. It is in this spirit that we cordially invite colleagues working on the mechanics and physics of porous media, from the atomistic to the kilometer scale, to join us in Vienna, in 2013, at the 5th BIOT conference on Poromechanics - dedicated to the 50th anniversary of Karl von Terzaghi's death.



Call for Mini-Symposia

Proposals for mini-symposia are invited for online submission through the conference website by June 30, 2012.

Conference Topics

- Constitutive Modeling
- Homogenization Theory
- Transport Phenomena
- Wave Propagation and Dynamics
- Bone Mechanics
- Fracture Mechanics
- Rock Mechanics
- Damage
- Consolidation & Subsidence
- Partially Saturated Media
- Fibrous Materials
- Numerical Methods
- Experimental Techniques
- Acoustics and Seismicity
- Cell and Tissue Mechanics
- Geomechanics
- Nano- and Micro-Poromechanics
- Plasticity and Viscoelasticity
- Bio-inspired Materials
- Petroleum Engineering
- Biomechanics
- Composite Materials
- Upscaling Laws
- Multi-phase flows
- Non-Newtonian Fluid
- Soil Mechanics
- Physical-Chemical Coupling
- Thermal Coupling and Effects
- Electric and Magnetic Coupling
- Geophysics
- Materials Science

Call for Papers

Prospective authors are kindly invited to electronically submit an abstract related to the conference topics through the conference website by November 15, 2012. Instructions for preparing full length papers will be provided with the notification of acceptance of the contribution.

Exhibition/Sponsorship

Companies and/or publishers are kindly invited to exhibit their products and services. Interested exhibitors can find all necessary information on the conference website. In addition, attractive sponsorships will be offered.

Local Organizer

Vienna University of Technology (TU Wien)
Institute for Mechanics of Materials and Structures
Institute for Geotechnical Engineering

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