

The Institute of Geotechnical Engineering (IGT), BOKU, warmly invites you to a series of lectures by

Guest professor

Claudio Tamagnini,

Dept. of Civil and Environmental Engineering,
University of Perugia



Universität für Bodenkultur Wien
University of Natural Resources
and Applied Life Sciences, Vienna

Advanced soil mechanics

June 11-17, 2014

1. **Wed. 11.06.2014, 15:45 – 17:00**
**Experimental evidence
of soil behavior**

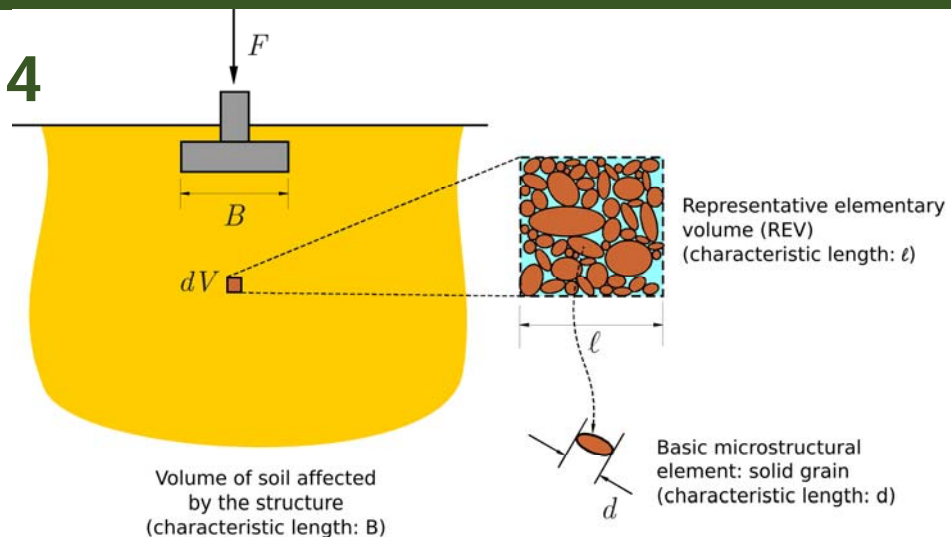
2. **Thurs. 12.06.2014, 10:00 – 11:15**
**Elasticity, hyperelasticity
and hypoelasticity**

3. **Fri. 13.06.2014, 10:45 – 12:00**
**Modeling of ultimate limit states:
perfect plasticity**

4. **Mon. 16.06.2014, 10:00 – 11:15**
**Modeling of the deformation response
of geotechnical structures: hardening plasticity**

5. **Mon. 16.06.2014, 13:00 – 14:15**
**An isotropic hardening, critical
state model for clays:
the Modified Cam Clay model**

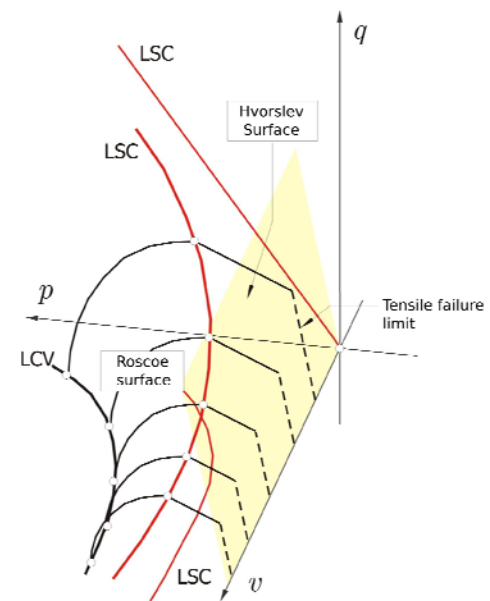
6. **Tues. 17.06.2014, 14:45 – 16:00**
**An advanced anisotropic hardening, critical state model
for sands: the SANISAND model**



Volume of soil affected
by the structure
(characteristic length: B)

Representative elementary
volume (REV)
(characteristic length: l)

Basic microstructural
element: solid grain
(characteristic length: d)



Guttenberghaus, Seminarroom 01, Feistmantelstraße 4, 1180 Wien
University of Natural Resources and Life Sciences (BOKU),

The lecture series forms the course
873.007 Advanced soil mechanics (0.5 ECTS credits).