

25.–27.5.2017

Geo Alp '17

Geologie und Hydrogeologie der Alpen
Geologia e Idrogeologia delle Alpi
Alpine geology and hydrogeology

Jahresthema 2017

Störungszonen

Geologie und Hydrogeologie von
lokalen und regionalen Störungszonen

Argomento 2017

Zone di faglia

Geologia ed idrogeologia
di faglie locali e regionali

Topic 2017

Fault zones

Geology and hydrogeology of
local and regional fault zones.

Veranstalter / Organizzatore / Event organizers



Consortium Observatory
for the construction of
the Brenner Base Tunnel



Office for Geology and Building
Materials Testing of the
Autonomous Province of Bolzano



Museum of Nature
South Tyrol



Chamber of
geologists



Geologists
advisory board



Patronage

Martin Ausserdorfer Consortium Observatory for the construction of the Brenner Base Tunnel

Benno Baumgarten Museum of Nature South Tyrol

Ulrich Burger BBT SE / University of Innsbruck

Volkmar Mair Dept. for Geology and Building Materials Testing of the Autonomous Province of Bolzano

Corrado Morelli Dept. for Geology and Building Materials Testing of the Autonomous Province of Bolzano

Benedikt Werth Consortium Observatory for the construction of the Brenner Base Tunnel

Info

Franzensfeste / Fortezza
+39 0472 057200
bw@bbtinfo.eu

Weitere Informationen zur Festung und Anreise:
Ulteriori informazioni sulla Fortezza e come raggiungerla:
Further information on the Habsburg Fortress Fortezza and route description:

www.festung-franzensfeste.it/geo-alp%E2%80%9117/

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May 25th, 2017 – Stonebreaker Party and Poster session

2–3 pm	Opening and poster session
3–4 pm	Coffee break
4–5.30 pm	Presentation of the posters: chairman Prof. Alberto Clerici
5.30–6 pm	Voting for the best poster by the audience
6–8 pm	Announcement of the first place and Stonebreaker Party with buffet

Scientific advisory council

Prof. Giuseppe Bargossi Università di Bologna
Prof. Alberto Clerici Università di Brescia
Prof. Bernhard Fügenschuh Universität Innsbruck
Prof. Luka Gale Universität Laibach
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Prof. Michael Schneider Freie Universität Berlin
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Prof. Andrea Zanchi Università di Milano Bicocca
Prof. Christian Zangerl Universität für Bodenkultur Wien



Univerza v Ljubljani



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

May 26th, 2017 – Conference Simultaneous translation ITA-DEU / DEU-ITA will be available.

- 8–8.30 am Registration
- 8.30–9 am Welcome Address
- Geology Session** – chairman: Volkmar Mair
- 9–9.30 am **Giorgio Pennacchioni** (Dip. di Geoscienze, Univ. di Padova) **and Neil S. Mancktelow** (Geologisches Institut, ETH Zürich)
Prolonged Alpine history of deformation and fluid-rock interaction in the Tauern meta-granitoids during exhumation and cooling. (ENG)
- 9.30–9.50 am **Hannah Pomella, Thomas Klotz, Martin Reiser and Bernhard Fügenschuh** (Inst. für Geologie, Uni. Innsbruck)
The Periadriatic fault system: review of the latest research developments. (DEU)
- 9.50–10.10 am **Gianluca Piccin, Tommaso Trentini** (Dolomiti Project srl, Feltre), **Matteo Massironi and Ludovica Crocitto** (Dip. di Geoscienze, Univ. di Padova)
Strike-slip induced cold core complexes in Western Carnic Alps. (ITA)
- 10.10–10.30 am **Stefano Zanchetta, Andrea Zanchi** (Dip. di Scienze dell'Ambiente e della Terra, Univ. di Milano Bicocca), **Stefano Poli** (Dip. di Scienze della Terra, Univ. di Milano), **Volkmar Mair and Giovanni Bove** (Ufficio Geologia e Prove Materiali, Prov. Aut. di Bolzano)
Tectonometamorphic evolution, tectonic coupling and exhumation history of the Ötztal, Schneeberg and Texel unit (Eastern Alps, NE Italy). (ITA)
- 10.30–11.30 am **Award for the best poster (audience vote) and coffee break**
- 11.30–11.50 am **Diethard Sanders, Hugo Ortner, Hannah Pomella and Marc Ostermann** (Inst. für Geologie, Uni. Innsbruck)
Stratigraphic architecture, deformation, and modification of Quaternary talus subject to faulting and climatic change, Central Apennines. (DEU)
- 11.50–12.10 am **Corrado Morelli and Maurizio Cucato** (Ufficio Geologia e Prove Materiali, Prov. Aut. di Bolzano)
Evidence of Pleistocene tectonics from Pusteria Valley (South Tirol, Italy). (ITA)
- 12.10–12.30 am **Alfio Viganò** (Servizio Geologico, Prov. Aut. di Trento), **Silvana Martin** (Dip. di Geoscienze, Univ. di Padova), **Simone Tumiati** (Dip. di Scienze della Terra, Univ. di Milano), **Stefano Zanchetta, Andrea Zanchi** (Dip. di Scienze Ambiente e Territorio e Scienze della Terra, Univ. di Milano Bicocca) **and Giacomo Prosser** (Dip. di Scienze, Univ. della Basilicata)
Melting or thermal decomposition of carbonate during earthquake slip? Multiple geological evidence along natural faults of the Southern Alps (Italy). (ITA)
- 12.30 am–2 pm Lunch

Hydrogeology Session – chairman: Ulrich Burger

- 2–2.30 pm **Bernd Frieg** (Nagra, Wettingen-Schweiz)
Characterisation and conceptualisation of hydraulic fractures and upscaling. (ENG)
- 2.30–2.50 pm **Gerfried Winkler** (Inst. für Erdwissenschaften, Uni. Graz)
Hydraulic characterization of fault (core) zones – examples at laboratory and regional scale from the Semmering area, Austria. (DEU)
- 2.50–3.10 pm **Alessandro Baietto and Paolo Perello** (GDP consultants, Torino)
Groundwater flow along fault zones in crystalline rocks: insights from numerical modelling for tunneling projects. (ITA)
- 3.10–3.30 pm **Giorgio Höfer-Öllinger** (GEORESEARCH Forschungsgesellschaft, Wals bei Salzburg),
Michael Schneider, Lilly Aufdembrinke and Erik Buske (Arbeitsgruppe Hydrogeologie, Freie Universität Berlin)
Hydrogeology of Torrener Joch Fault Zone. (DEU)
- 3.30–4.10 pm **Break**
- 4.10–4.30 pm **Walter Frei** (GeoExpert, Embrach-Schweiz) **and Rainier Arndt** (SV Geophysik, Wien)
The detection of regional and local faults using the techniques for deriving seismic P- and S-wave velocity fields. (DEU)
- 4.30–4.50 pm **Thomas Marcher** (Skava Consulting ZT-GmbH, Innsbruck)
The significans of geological and hydrogeological detailed models of fault zones for the geomechanical design of tunnels. (DEU)
- 4.50 – 5 pm Organizational issues about the field trip
- 5 pm After work beer

May 27th, 2017 – Field trip

- 9 am–6 pm **Field trip along the Periadriatic lineament**
- Morning **Stefano Zanchetta & Andrea Zanchi**
The Periadriatic lineament to the west of Isarco valley (Merano-Mules fault)
- Afternoon **Rainer Brandner**
The Periadriatic lineament and the „Maulser Trias“ in the Maulserbach area (Pustertal fault)

Credits for geologists are available.

Registration fee

Conference: 100,00 €

Students (with ID): 60,00 € *

Please pay to the following bank coordinates:

Consortium Observatory

BANK: Volksbank Sterzing

IBAN: IT33 A058 5659 1100 0157 1315 135

BIC: BPAAIT2B001

Ref.: GEO ALP '17

* students must produce ID at registration or pay the full price.

Poster

Please send your contributions for geology and hydrogeology of fault zones as posters.

The abstracts have to be sent to bw@bbtinfo.eu until April 30th 2017.

The posters can be presented at the conference on May 25th 2017 as part of a poster session and will be open to the public during the entire conference.

Registration form

Please fill out one form per person.

**This is my binding registration for the Geo Alp '17
from May 25th to May 27th 2017 in the Fortress in Fortezza.**

.....
Name (Title, Surname, Institution)

.....
Tel

.....
E-Mail

Moreover, I wish to take part in the following events:

Stonebreaker Evening

Poster session

I need poster space(s): 80 cm wide and 100 cm high.

Field trip (25 € to pay directly at the congress. Due to the limited number of participants, the participation will be confirmed in advance.)

This form must be sent with the proof of payment until 30 April 2017 to:

bw@bbtinfo.eu or Fax +39 0472 057219

Keyword: Geo Alp '17

Date: Signature:

Teilnahmegebühr

Tagungsgebühr: 100,00 €
mit Studentenausweis: 60,00 € *

Überweisung an folgendes Bankkonto:

Konsortium Beobachtungsstelle
BANK: Volksbank Sterzing
IBAN: IT33 A058 5659 1100 0157 1315 135
BIC: BPAAIT2B001

Betreff: GEO ALP ´17

* mit Ausweis! Vorlage spätestens bei Anmeldung im Tagungsbüro, sonst Nachzahlung!

Poster

Es wird ersucht, Beiträge zur Geologie und Hydrogeologie von Störungszonen in Form von Postern auszuarbeiten und auszustellen. Die Abstracts sind bis zum 30. April 2017 an bw@bbtinfo.eu zu übermitteln.

Die Poster können am 25.05.2017 im Zuge einer Poster-Session den Teilnehmern präsentiert werden. Zudem bleiben die Poster während der Tagung für das Publikum zugänglich.

Anmeldeformular

Pro Person bitte ein Blatt ausfüllen.

**Hiermit melde ich mich verbindlich zum Geo Alp ´17
vom 25.– 27. Mai 2017 in der Festung Franzensfeste an.**

.....
Name (inkl. Titel und Nachname, Institution)

.....
Telefon

.....
E-Mail

Ich melde mich zudem für folgende Termine an:

„Stonebreaker“-Abend

Poster-Session

Ich benötige Posterfläche(n): je 80 cm breit und 100 cm hoch.

Exkursion (25€; bei Tagung zu bezahlen. Aufgrund der beschränkten Teilnehmeranzahl wird die Teilnahmemöglichkeit vorab bestätigt.)

Dieses Formular bis spätestens 30. April 2017 inklusive Überweisungsbestätigung an:

bw@bbtinfo.eu oder Fax +39 0472 057219

Kennwort: Geo Alp ´17

Datum: Unterschrift:

Quota di iscrizione

Convegno: 100,00 €

Studenti: 60,00 € *

Si prega i gentili ospiti di pagare la quota a mezzo di bonifico sul c/c:

Consorzio Osservatorio

BANCA: Volksbank Sterzing

IBAN: IT33 A058 5659 1100 0157 1315 135

BIC: BPAAIT2B001

Oggetto: GEO ALP '17

* gli studenti devono esibire il tesserino al momento della registrazione, altrimenti sarà addebitata la differenza.

Poster

È possibile esporre dei poster relativi alla geologia e alla idrogeologia delle zone di faglia. Gli abstract devono essere inoltrati a bw@bbtinfo.eu entro il 30 aprile 2017. I poster saranno presentati ai partecipanti il 25 maggio 2017 e resteranno accessibili al pubblico per tutta la durata del congresso.

Modulo di iscrizione

Si prega di utilizzare un modulo per persona.

Con la presente mi iscrivo al Convegno Geo Alp '17 che si terrà dal 25 al 27 maggio 2017 presso il Forte di Fortezza.

.....
Nome (Cognome e Titolo di studio, istituto di provenienza)

.....
Telefono

.....
E-Mail

Inoltre richiedo di poter partecipare a:

Serata Stonebreaker

Esposizione dei poster

Necessito di pannelli di esposizione per i miei poster. Ogni pannello è largo 80 cm e alto 100 cm.

Escursione (costo 25€ da pagare al congresso. Per il limitato numero dei partecipanti la conferma di partecipazione sarà comunicata in anticipo).

Il presente modulo deve essere inoltrato al più tardi entro il 30 aprile 2017 comprensivo di una conferma di avvenuto bonifico a:

bw@bbtinfo.eu o Fax +39 0472 057219 – Oggetto: Geo Alp '17

Data: Firma: