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PROGRAM



 Geologische Bundesanstalt


TRUMER
Schutzbauten
GmbH


ÖSTERREICHISCHE
GESELLSCHAFT
FÜR GEOMECHANIK

Monday, May 16th, 2011

- 18:00 – 20:00** **Icebreaker** reception at Congress Igls (workshop venue)
- 18:00 – 20:00** Installation of Posters (also possible on morning of May 17th)
- 18:00 – 20:00** Registration at Workshop Venue (also possible on May 17th and 18th)

Tuesday, May 17th, 2011

8:00	9:30	Registration and installation of posters	
Opening session & keynote lecture			
9:30	9:45	Welcome and Opening (Michael Moelk)	
10:00	10:45	Keynote lecture by O. Hungr	Characterization of rock-fall and rock-slide hazards for the design of protective measures
Session 1: Rockfall Release Areas (Convener: Kuroschi Thuro, Co- Convener: Sandra Melzner)			
10:45	11:00	Poisel, R. & A. Preh	Rock fall detachment mechanisms
11:00	11:15	Loye, A., Dorren, L., Jaboyedoff, M. & R. Metzger	Detection of potential rock fall source areas at regional scale using the software COLTOP 3D and susceptibility assessment
11:15	11:30	Krautblatter, M., Kemna, A. & D. Dräbing	Geophysical methods for the analysis and monitoring of unstable permafrost rocks
11:30	11:45	Santana, D., Corominas, J., Mavrouli, O. & D. Garcia- Selles	Magnitude-Frequency relation for rock falls using a terrestrial laser scanner
11:45	12:00	Brunetti, M. T., Rossi, M., Melzner, S. & F. Guzzetti	Statistical distribution of rock fall volumes
12:00	13:30	Lunch	
13:30	14:15	Poster Session 1	

Tuesday, May 17th, 2011

Session 2: Protection Forest			
(Convener: Luuk Dorren, Co- Convener: Thomas Tartarotti)			
14:30	14:45	Kajdiz, P., Rugani, T. & J. Diaci	<i>Improving the mitigating effect of beech (Fagus sylvatica L.) dominated forests against rock fall hazard</i>
14:45	15:00	Bourrier, F., Bertrand, D., Brun, M. & F. Berger	<i>Combined use of innovative experiments and numerical models to assess tree stem resistance to rock impacts</i>
15:00	15:15	Jancke, O. & F. Berger	<i>Innovative real-size tests for assessing the mechanical resistance of coppice stems against rock fall</i>
15:15	15:30	Nishikawa, Y., Masuya, H. & K. Amanuma	<i>Simulation of rock fall trajectory with consideration of trunk and branch of vegetation</i>
15:30	15:45	Dewez, T., Nachbaur, A., Mathon, C., Kobayashi, H, Sedan, O., Berger, F., Des Garets, E. & E. Nowak	<i>OFA'I: from 3D block tracking to 3D modelling a real-size rock fall experiment in the weathered volcanic context of Tahiti, French Polynesia</i>
15:45	16:15	Coffee break	
Session 3: Rockfall Trajectory Modelling			
(Convener: Christian Zangerl, Co- Convener: Thomas Sausgruber)			
16:15	16:30	Dorren, L.	<i>Solutions for universal problems in rock fall trajectory models</i>
16:30	16:45	Sellmeier, B. & K. Thuro	<i>Possibilities and limitations of 2D and 3D rock fall-simulations concerning the digital terrain model (DTM).</i>
16:45	17:00	Reichenbach, P. & G. M. Stock	<i>Regional and local rock fall hazard and risk assessment: examples from Yosemite National Park, California, USA</i>
17:00	17:15	Melzner, S., Moelk, M., Dorren, L., Reichenbach, P. & F. Guzzetti	<i>Rockfall run-out modelling for susceptibility evaluation: a multi-scale comparison at different sites</i>
17:15	17:30	Clouet, N., Berger, F. & J. Lievois	<i>Rock fall modelling and risk zoning: a case study in the French alps using geomatics, airborne laser scanning, 2D and 3D run out models</i>
18:30		Official dinner	

Wednesday, May 18th, 2011

Session 4: Susceptibility, Hazard and Risk (Convener: Florian Miklau, Co- Convener: Sandra Melzner)			
8:30	8:45	Čarman, M., Kumelj, S., Komac, M. & M. Ribicic	<i>Rock fall susceptibility map of Slovenia</i>
8:45	9:00	Oppikofer, T., Fischer, L., Hermanns, R. L., Devoli, G., Bunkholt, H., Taurisano, A. & O. Eikenæs	<i>Rockfall hazard mapping in Norway - how to prioritize areas?</i>
9:00	9:15	Abbruzzese, J. M. & V. Labiouse	<i>Influence of hazard zoning guidelines and methodologies on land use planning</i>
9:15	9:30	Kronholm, K., Domaas, U. & F. Sandersen	<i>Use of field observations and rock fall model results for hazard zoning in Norway</i>
9:30	9:45	Tartarotti, T.	<i>Standardized risk assessment of rock-fall processes for protection planning</i>
9:45	10:00	Mazzanti, P.	<i>The contribution of terrestrial SAR interferometry to the analysis of rock cliffs</i>
10:00	10:30	Coffee break	

Wednesday, May 18th, 2011

Session 5: ETAG, Fences (Convener: Michael Moelk, Co- Convener: Thomas Sausgruber)			
10:30	10:45	Stelzer, G., Bichler, A. & M. Hamberger	<i>ETAG 27, and now what?</i>
10:45	11:00	Valfrè, A.	<i>Use of remote sensing systems for rock fall barriers - monitoring on sites</i>
11:00	11:15	Von Boetticher, A., Glover, J., Volkwein, A. & M. Denk	<i>Modelling flexible wire netting applied to rock fall attenuating systems</i>
11:15	11:30	Volkwein, A. & M. Toniolo	<i>Multi-hazard barriers</i>
11:30	11:45	Badger, T. C., Dobrev, B., Anderson, M., Radhakrishnan, H. & B. Muhunthan	<i>Structural Design of a Hybrid Drapery System</i>
11:45	12:00	Kishi, N., Kon- Ho, H., Nishi, H. & S. Ghadimi-Khasraghy	<i>Prototype consecutive falling-weight impact test of reinforced concrete girders and its numerical simulations</i>
12:00	13:30	Lunch break	
13:30	14:30	Poster Session 2	

Wednesday, May 18th, 2011

Session 6: Galleries			
(Convener: Axel Volkwein, Co- Convener: Thomas Tartarotti)			
14:30	14:45	Biedermann, B., Wendeler, C. & M. Denk	<i>Gallery rock fall protection shed – high energy ring net roof top gallery to secure infrastructure</i>
14:45	15:00	Yamaguchi, S., Nishi, H., Kon-No, H., Kishi, N. & Y Ushiwatari	<i>Falling-weight impact test of large scale RC slabs with cushion material</i>
15:00	15:15	Gerber, W. & A. Volkwein	<i>Impact Loads on Concrete Slabs with Gravel Cushion</i>
15:15	15:30	Calvetti, F., Di Prisco,C., Moriggi, V. & F. Tondini	<i>Behaviour of rock fall sheltering structures: experiments and numerical analyses</i>
15:30	15:45	Schellenberg, K. & H. Röhlein	<i>Rock fall protection at Lopper</i>
15:45	16:15	Coffee Break	
Session 7: Dams/Embankments			
(Convener: Gernot Stelzer, Co- Convener: Thomas Sausgruber)			
16:15	16:30	Kister, B. & O. Fontana	<i>On the evaluation of rock fall parameters and the design of protection embankments – a case study</i>
16:30	16:45	Moelk, M. & R. Hofmann	<i>The Austrian Standard ONR 24810: design of rock fall protection measures. Partial factor of safety-approach and best practice for the design of rock fall embankments</i>
16:45	17:00	Ronco, C. & C. Oggeri	<i>Impact features on reinforced embankments used for rock fall protection on the base of Eurocodes and national technical law.</i>
17:00	17:15	Schlotfeldt, P. & B. Dugan	<i>Innovative methods of analysis for three highly sensitive rock fall problems</i>
17:15	17:30	Lambert, S., Heymann, A. & P. Gotteland	<i>Real-scale experimental assessment of cellular rock fall protection structure</i>
		Individual Evening Program	

Field Trip

Thursday, May 19th, 2011

Start 8:30 bus leaves at Workshop venue

Lunch: picnic with packed lunch provided by workshop organization

End 17:00 at parking lot of workshop venue

End of Workshop – individual departure

Poster contributions **Colour-Code: Poster Session 1 (May 17th 13:30 – 14:15)**

Poster Session 2 (May 18th 13:30 – 14:30)

Nr	Authors	Poster Title
1	Bigot, C., Berger, F., Astrade, L. & J.J. Brun	Timber protection works against rockfall activities in the Southern French Alps
2	Castelli, E., Camin, M., Mariani, R., De Marco, P. & D. Zanette	Rock fall hazard assessment of the Monte Zucco Area
3	Danzi, A. & F. Tondini	Motes on the rocks: Monitoring rock fall protection systems with wireless sensor networks
4	Deangeli, C., Del Greco, O. & C. Oggeri	Triggering phenomena for rock/debris fast movements for the selection of protection works after experiences in Northern Italy.
5	Duricova, A., Volkwein, A., Roth, A. & A. Valfre	Findings from first ETAG 027 approval – Rock fall tests worldwide
6	Harbitz, C.B., Romstad, B., Glimsdal, S., Domaas, U. & F. Lovholt	Hazard assessment of rock slide tsunamis in lakes and fjords
7	Hartmeyer, I., Keuschnig, M., Schober, A., Otto, J.-C. & L. Schrott	Mass movements in a high mountain environment, Kitzsteinhorn (3203 m), Hohe Tauern, Austria: Controlling factors, geotechnical surveys and laboratory work
8	Janeras, M., Palau, J., Prat, E. & J. Ripoll	Montserrat: on a long way to rock fall risk mitigation. First experiences, some lessons and future perspectives
9	Kon-No, H., Nishi, H., Yamaguchi, S., Kishi, N. & Y. Ushiwatari	Falling-weight impact test of a 1/2 scale model of rock fall protection gallery with sand cushion
10	Melzner, S., Lotter, M., Tilch, N., Kociu, A. & R. Baek	Rockfall occurrence in the upper Moelltal (Carinthia, Austria) – structural geologic, lithologic and geomorphologic aspects
11	Muralha J. & Jeremias F. T.	Experimental and numerical based design of protective measures against rock fall on a beach cliff
12	Nishita Y., Berger C., Inoue S. & H. Masuya	Numerical and Real Scale Testing of a Protection Fence against Rock Fall and Debris Impact
13	Papez, J. & G. Rak	Rockfall protection on Slovenian rail network
14	Pirulli, M. & C. Scavia	On a thorough use of numerical models for rapid landslide run out simulation
15	Preh, A., Poisel, R., Kuen, B. & O. Hungr	Modelling the run-up of granular avalanches against protective barriers – A comparison of the Particle Flow Code (PFC) and DAN
16	Rapp, M. A.	Report on the disaster control operation in Styria and successful rockfall protection, as described by a geologist of the Styrian government, FA 18C-STED

Nr	Authors	Poster Title
17	Raviglione, M. & G. Berger	Dynamic planning and Crash Test following guideline ETAG 27 "Falling Rock Protection Kits" - Projects and Testing Experiences applied to Class 8 - 5000 kJ
18	Stackler, F., Sölva H. & C. Prager	Comparative 2D/3D rockfall simulations for planning protection measures in rugged terrain
19	Tilch, N., Kociu, A., Haberler, A., Melzner, S., Schwarz, L. & M. Lotter	The data management system GEORIOS of the Geological Survey of Austria (GBA)
20	Turin, C., Meissl, G., Sailer, R. & P. Dirninger	Modelling rockfall hazard along Tyrolean railway lines

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