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Slovenská technická univerzita v Bratislave
Stavebná fakulta
Katedra geotechniky
Slovak University of Technology
Faculty of Civil Engineering
Department of Geotechnics

Vás pozýva pri príležitosti 70. výročia Slovenskej technickej univerzity na
8. Medzinárodnú geotechnickú konferenciu

Invites you, to participate in the 8th International Geotechnical Conference
on the occasion of the 70th anniversary of the Slovak University of Technology

ZLEPŠOVANIE VLASTNOSTÍ ZÁKLADOVÝCH PÔD

IMPROVEMENT OF SOIL PROPERTIES

Témy; Topics

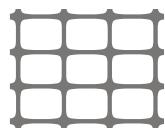
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|--------------------------------|---------------------------------|
| 1. Odvodňovanie a vystužovanie | 1. Dewatering and reinforcement |
| 2. Zhutňovanie | 2. Compaction |
| 3. Štrkové piliere | 3. Stone columns |
| 4. Premiešavanie | 4. Soil mixing |
| 5. Injektovanie | 5. Grouting |
| 6. Rôzne | 6. Miscellaneous |



4 - 5. júna 2007, Stavebná fakulta, I. Karvaša 2, Bratislava
June 4 – 5, 2007, Faculty of Civil Engineering, I. Karvaša 2, Bratislava, Slovakia

Ďakujeme za spoluprácu. Thank for cooperation.

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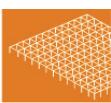
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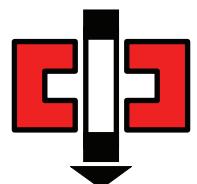
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PROGRAM

Monday June 4, 2007 – the Hall of Academician Bella

9⁰⁰ Opening Prof. J. Hulla

9¹⁰ Address on the 70th anniversary of the Slovak University of Technology *Prof. A. Kopáčik – Dean of the Civil Engineering Faculty*

9²⁰ Keynote lectures

Long-term behaviour of soil improvement and recent innovations *Prof. H. Brandl - A*
Improving of the bearing capacity of soils with geosynthetics *Prof. G. Heerten - D*

10²⁰ Dewatering and reinforcement of soils – chairman Prof. I. Vaníček

Beauvais by-pass – RN 31 Drainage of cut slope – draining mask *Dr. R. Arab, Dr. Y. Durkheim, Eng. Y. Deniaud, Ing. A. Perrin – F*

Castlehaven Coast Protection & Slope Stabilisation Works, Niton, Isle of Wight, UK

Eng. S. Bomont, Eng. A. R. Clark, Eng. D. S. Fort, Eng. J. Holliday, Eng. A. Gillarduzzi - F

Living reinforced soil – an ecological method to stabilise slopes *Dr. B. Schuppener – D*

Effect of a root plant system on improving the mechanical properties of foundation soil

Eng. J. Boštík, Mgr. A. Erbenová – CZ

The new generation of reinforcement grids – *Eng. V. Hojstrič – Sk, Eng. J. Pries,*

Eng. J. Klompmaker, Eng. R. Cieselski - PL

Geosynthetic reinforced pavement on soft soil – triaxial testing *Prof. L. Trauner,*

Assoc. prof. B. Žlender – SI

Improving utilization the soil properties of geotextiles in the design of a sealing structural arrangement *Assoc. prof. J. Kuzma, Eng. L. Hruštinec – SK*

Evaluating the bearing capacity of footings on reinforced soils using GEO FEM software

Eng. J. Laurin, Assoc. prof. J. Pruška - CZ

Factory foundations under a complicated hydrogeological conditions *Ing. S. Štábl – CZ*

12³⁰ - 13³⁰ Lunch at the STU Club

13³⁰ Dewatering and reinforcement of soils – chairman Prof. I. Vaníček

Design and construction of reinforced soil structures – cost effective alternatives for high walls and slopes *Eng. P. D. Pietro –I, Dr. B. Prelovský – SK*

Some aspects of the design and realization of high reinforced walls *Assoc. Prof. M. Drusa,*

Eng. G. Benč, Eng. M. Mošat', Eng. P. Labacher - SK

European stiff integral geogrids used in embankment foundation applications *Eng. R. Baslik - SK*

Development of a new design method for sleeper subgrade structures *Eng. P. Kučera, Eng. M. Lidmila – CZ*

Transport structure foundations using special methods *Eng. K. Alföldi – SK*

Reconstruction of the Košická – Miletičová streets in Bratislava *Eng. G. Benč – SK*

Design of reinforced unbound layers – CROW method *Eng. A. Höger – SK*

TENSAR TW1 Wall system *Eng. E. Mochorovská - SK*

Using composite reinforcing materials in geotechnics and special foundation engineering

Eng. A. Janiček – CZ

15⁰⁰ – 15¹⁵ Discussion on dewatering and reinforcement of soils

15¹⁵ Compaction of soils – chairman Prof. J. Barták

Rapid impact compactor – an innovative dynamic compaction device for soil improvement

Assoc. Prof. D. Adam, Eng. I. Paulmichl – A

High energy dynamic consolidation (DYNIV®) in an active deppression zone for the new motorway

BAB A 71 *Prof. B. Lutz, Eng. M. Krings, Eng. J. F. Kirstein, Eng. J. L. Chaumeny – D*

Soil improvement with the help of impulse-discharge technology *Eng. V. Eremin, Eng. A. Eremin, Eng. A. Budanov – R*

Soil compaction in the bases of piles and rafts *Assoc. Prof. M. I. Nikitenko, Mgr. V. Sernov, O. Boguslavchik, A. Schumilina – BY*

Investigation of the vibro replacement compaction of loose soil by a discontinuous mathematical model *Assoc. Prof. K. Vojtasík – CZ*

The unfinished, no well compacted soil of the crest of the Zeyzoune dam, the technical and administrative errors that caused its failure, the correct ways to reinforce and renovate it

Dr. Y. Hamze, Eng. A. Stanivska, Eng. H. Oueidat – LB

16⁴⁰ – 16⁵⁰ Discussion on soil compaction

19⁰⁰ - 23⁰⁰ Dinner at the Jura Hronca student hostel

Tuesday, June 5, 2007 – the Hall of Academician Bella

8⁰⁰ Improvement of soils by stone columns – chairman Prof. P. Turček

Subsoil improvement with the help of geosynthetics encased columns *Prof. I. Vaníček - CZ*

Tests of stone columns *Assoc. Prof. J. Masopust – CZ*

Soil improvement by means of stone columns – effectiveness of installation technologies

Prof. P. Kláblena – CZ

Improvement of opencast mining backfill soil using Franki sand-gravel columns *Eng. M. Kurka – CZ*

Use of geotextiles in gravel-sand pile foundations *Eng. D. Grepl – CZ*

3D numerical analysis of an oil tank founded on stone columns *Eng. V. Račanský, Eng. L. Miča – CZ*

Embankments on subsoil improved by stone columns (FEM) *Eng. P. Marek – CZ*

Soil improvement using stone columns *Eng. Ján Pivarč – SK*

Settlement of highrise buildings *Dr. G. Mosendz – SK*

9²⁰ – 9⁵⁰ Coffee break in the STU Club

9⁵⁰ Soil mixing – chairman Prof. P. Turček

Soil treatment by additives – state of the art *Eng. V. Herle – CZ*

The innovative CSM-cutter soil mixing for constructing retaining and cut-off walls and soil improvement *Prof. W. G. Brunner, Eng. R. Fiorotto, Eng. E. Stötzer, Eng. M. Schöpf – D*

Treatment of soils with the RBI-81 and RENOLITH additives *Prof. M. Jovanovski,*

Prof. S. Gjorgevski, Eng. J. Papic, Eng. J. Josifovski - MK

Properties of cement mixtures used to improve sandy soils *Eng. T. M. Archangel'skaja,*

Eng. M. I. Kazan, C. C. Zajat – BY

Compressibility of improved soils *Eng. D. Drinka, Eng. J. Kollár – SK*

10⁵⁰ – 11⁰⁵ Discussion on improvement of soils by stone columns and on soil mixing

11⁰⁵ Grouting of soils and rocks – chairman Prof. J. Aldorf

Visualization of the grouting parameters as the measure for quality secure *Prof. S. Semprich, Eng. H. Bach, Eng. Y. Zhu – A*

Reduction of the deformational effects from overburdening during tunnel excavations

Prof. J. Barták - CZ

Improving subsoil for the foundation of a highrise building *Prof. P. Turček – SK*

Grouting of gravel soils and problems in controlling their efficiency *Prof. J. Hulla – SK*

Interaction of the mechanical characteristics of a mining environment by space grouting

Eng. J. Hájovský – CZ

Efficiency of grouting curtains under dams *Eng. M. Súľovská – SK*

Improvement of soils by the construction of a highway network in Slovakia *Eng. M. Fábry, Eng. T. Bielokostolský – SK*

Using chemical grouting for improvement of noncohesive soil *Assoc. Prof. J. Bódi, Eng. T. Ebermann – CZ*

The experience of improving soil properties by compaction and grouting on sites in Minsk
Assoc. Prof. M.I. Nikitenko, Assoc. Prof. I.L. Bojko, Eng. P.M. Sinjakevič, Eng. E. A. Lavreščuk – BY

12⁴⁵ – 13⁰⁰ Discussion on grouting of soils and rocks

13⁰⁰ – 14⁰⁰ Lunch at the STU Club

14⁰⁰ Miscellaneous topics – chairman Prof. F. Babiak

The behaviour of some Italian stiff clays in relation to failure problems *Prof. G. Scarpelli - I*

Soil improvement – examples from Polish practice *Eng. B. Gajewska, Eng. B. Kłosiński - PL*

Effect of moduli of soil deformation on floor settlements *Assoc. Prof. R. Ravinger – SK*

Modeling soil consolidation in the solution of foundation structures *Assoc prof. N. Jendželovský, Eng. P. Lenk – SK*

Assessment of the effectiveness of improving the subsoil quality of the Strečno castle

Assoc. prof. J. Malgot, Prof. F. Babiak, Mgr. R. Solčiansky - SK

Subsoil improvement for high voltage masts in an area prone to landslides *Dr. M. Kopecký, Dr. M. Fabian – SK*

Effect of improvement of the background properties on deformed surface during tunneling
Eng. J. Chabroňová - SK.

Monitoring movements of the dilatation parts of a structure *Eng. M. Poláček – SK*

16⁰⁰ – 16¹⁵ Discussion of miscellaneous topics

16¹⁵ Conclusion of the conference *Prof. P. Turček*

INFORMATION

We are seeking authors for oral presentation of all papers included in the conference program.

Place of conference: Faculty of Civil Engineering, ground-floor auditorium, I. Karvaša 2, Bratislava, Slovak Republic.

Official languages: Czech, English, German, Slovak.

Videotechnics: data projector, PowerPower program.

Exhibition: own tables, prospecte, please contact Assoc. prof. R. Ravinger (ravinger@svf.stuba.sk).

Conference fees: 3700,- SKK (organization, 1 copy of the proceedings, refreshment, dinner – VAT including)
(1 USD \approx 25 SKK, 1 EUR \approx 34 SKK)

Accommodations:

For accommodations contact www.bratislava.sk, English, then Accommodation (price 1000 to 4000 SKK).

Registration form and payment: for each participant, please send to Secretariat by post or Fax, or e-mail no later than May 31, 2007.

Registration:

Monday, June 4, 2007 and Tuesday, June 5, 2007, from 7³⁰ h. in auditorium B0-02 (geological auditorium on the ground floor) I. Karvaša 2, Bratislava.

SECRETARIAT

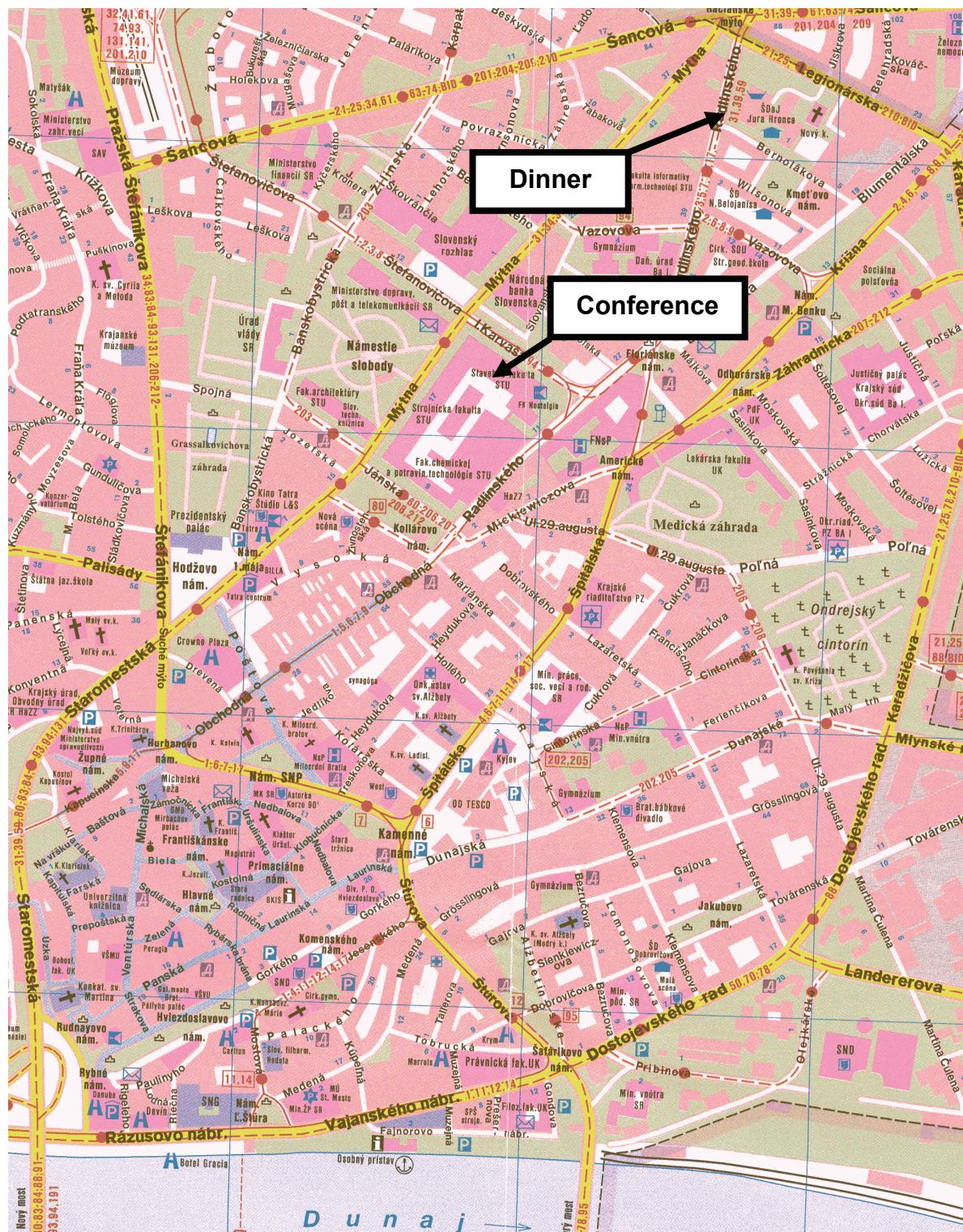
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813 68 Bratislava
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Tel: 00421 2 59274676, Fax: 00421 2 52925642, e-mail: olga.rikovska@stuba.sk.

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Bratislava



APPLICATION FORM
8th International Geotechnical Conference
Improvement of Soil Properties
Bratislava, June 4 – 5, 2007

Participant's name, surname, titles:

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Mailing address:

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Postal code: Town:

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Total conference fee: 3700,- SKK

Consists of: organization, 1 copy of proceedings, refreshments, dinner (VAT included)
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Address: Vazovova 5, 812 43 Bratislava

SWIFT code: SUBASKBX

Variable symbol: VS 150 Konstant symbol: KS 0308

Reference information: Geotechnical conference

Very important: Variable symbol: VS 150

Name of participant

.....
Signature

An application form has to be completed separately for each person.

Please, send the completed form no later than May 31, 2007 to the secretariat by post:

Department of Geotechnics STU, Radlinského 11, 813 68 Bratislava, Slovak Republic

or by fax to 00421 2 52925642, or by E-mail to monika.sulovska@stuba.sk and olga.rikovska@stuba.sk.