

DEPARTMENT OF GEOTECHNICS

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I. STAFF

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II. EQUIPMENT

II.1 Teaching and Research Laboratories

- mechanical laboratory scales
- digital technical scales
- sieve series
- Cassagrande liquid limit apparatus
- dissectors
- odometers
- laboratory ovens
- motorised direct shear machines
- hand-operated laboratory vane tester
- triaxial apparatus
- motorised Proctor compaction machine

II.2 Special Measuring Instruments and Computers

For in-situ measurements:

- underground water flow by tracer methods,
- bearing capacity, stress and strain for special foundations.
- records with guide unit.
- 15x PC 586, 6x PC 486, 8x PC 386, with special software for stability, capacity and inflow porous media in connection with the ANSYS network.

III. TEACHING

The Department of Geotechnics is an interdisciplinary department which teaches all sections of the Civil Engineering Faculty. The main subjects are geology, engineering geology, hydrogeology, soil mechanics, rock mechanics, foundations, underground structures, dams, and reservoirs. The system of eligible subjects makes special preparation possible for the solution of geotechnical problems in environment, building, underground, transport, and water construction.

III.1 Graduate Study

Subject	Semester	Hours per Week		Lecturer
		Lectures	Seminars	
Geology	1	2 - 2		Čabalová
Geology	1	2 - 2		Baliak
Geology	1	2 - 2		Vámoš
Geology and Geomorphology	1	2 - 2		Baliak
Soil Mechanics	4	3 - 2		Kuzma
Soil Mechanics	4	3 - 2		Kuzma

Soil Mechanics and Foundations	5	2 - 2	Hulla Turček
Building Foundations	5	3 - 2	Turček
Building Foundations and Underground Structures	5	3 - 2	Hulla Klepsatel
Engineering Geology and Rock Mechanics	6	3 - 2	Malgot Klepsatel
Properties of Rocks and Soils	7	2 - 2	Kuzma
Water Reservoirs and Dams	7	3 - 2	Lukáč
Underground Constructions	7	2 - 2	Klepsatel
Plane and Deep Foundations	8	2 - 1	Hulla
Soil Construction	8	2 - 2	Szabó

Optional Subjects

Engineering Geology and Rock Mechanics	8	2 - 2	Klepsatel
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Recommended Subjects

Dam Design	9	2 - 2	Lukáč, Bednárová
Foundation of Water Structures	9	2 - 2	Hulla
Selected Topics in Soil Mechanics	9	2 - 2	Kuzma
Complex Dam Projects	9	0 - 3	Bednárová
Diploma Seminar	9	0 - 3	Kuzma
Special Engineering Geology and Hydrogeology	9	2 - 2	Malgot
Soil Properties	9	2 - 2	Kuzma
Geomechanics	9	2 - 2	Kuzma

Optional Subjects

Construction Ditches	9	2 - 2	Turček
Water Dams	9	2 - 2	Lukáč, Bednárová
Interaction of Water Structures and the Environment	9	0 - 3	Lukáč
Numerical Modelling in the Design of Water Dams	9	2 - 2	Bednárová, Grambličková
Geotechnical Reconstruction and Remedial Measures	9	2 - 2	Turček Klepsatel

V. RESEARCH PROJECTS

1. Hydrodynamic Processes in Boreholes and Related Heterogeneous Medium in the Solution of Stability and Ecological Problems (J. Hulla)
2. Soil - Structure Interaction (J. Kuzma)

3. Dam Safety Analysis in Slovakia with Regard to Age and Significance (M. Lukáč)
4. Evaluation of the Effect of a Landslide on an Engineering Structure in Slovakia (J. Malgot)
5. Collapsibility of Particular Materials (M. Masarovičová)
6. Design Optimalization of Geotechnical Structures (P. Turček)

VI. COOPERATION

VI.1. Cooperation in Slovakia

1. Department of Engineering Geology, UK, Bratislava
2. Department of Hydrogeology, UK, Bratislava
3. Department of Geotechnics, ZU, Žilina
4. Institute of Geotechnics, SAV, Košice
5. Department of Geotechnics, TU, Košice

VI.2 International Cooperation

1. CTU Prague, Czech Republic
2. TU Ostrava, Czech Republic
3. TU Brno, Czech Republic
4. Czech Academy of Sciences, Czech Republic
5. UK Prague, Czech Republic
6. TU Budapest, Hungary
7. University of Alberta, Canada
8. University of Freiburg, Germany
9. TU Vienna, Austria
10. TU Graz, Austria
11. TU Innsbruck, Austria
12. ETH, Zürich, Switzerland
13. Mernöki Kamara, Budapest, Hungary
14. BPI Minsk, Belarus

VI.2.1 Visitors to the Department

- Aldorf, J., TU Ostrava, Czech Republic, 8 days
- Broža, J., CVUT Prague, Czech Republic, 2 days
- Feda J., AVCR, UTAM Prague, Czech Republic, 1 day
- Horký, J., VŠB Ostrava, Czech Republic, 2 days
- Hrubešová, E., TU Ostrava, Czech Republic, 2 days
- Lamboj, L., CVUT Prague, Czech Republic, 2 days
- Míča, L., VUT Brno, Czech Republic, 2 days
- Patera, A., CVUT Prague, Czech Republic, 2 days
- Vojtasík, K., TU Ostrava, Czech Republic, 8 days
- Weiglová K., VUT Brno, Czech Republic, 1 day
- Záleský, J., CVUT Prague, Czech Republic, 2 days

VI.2.2 Visits of Staff Members and Postgraduate Students to Foreign Institutions

- Klepsatel, F.: Austria, 3x1 day
- Kopecký, M.: Austria, 2 days
- Lukáč, M.: Czech Republic, 4 x 2 days
- Masarovičová, M.: Czech Republic, 2 x 3 days, 2 x 2 days
- Ravinger, R.: Austria, 2x1 day
- Zrubec, R.: England, 300 days

VII. THESES

VII.1. Graduate Theses

No.	Student's Name	Title	Supervisor
1.	Beňovič, M.	Geotechnical Questions Concerning Ash-Sludge Flotation Waste	M. Masarovičová
4.	Fisher, R.	Analysis of Arrangement of Profile of Earth Dams with Reference to Sealing Element and Applied Material	M. Lukáč
3.	Gogova, j.	Water Basins in Slovakia	M. Lukáč
2.	Tomašovičová, Z.	Super Structure of Ash-Sludge - Alternate Solution	I. Slávik

VII.2. Doctoral Dissertation

No.	Student's Name	Title	Supervisor
1.	Ľuboš Hruštinec	Interaction Analyses Between a Spread Foundation and Subsoil	J. Kuzma
2.	Miloslav Kopecký	Effect of Climatic and Hydrogeologic Factors on the Origin of Landslides	J. Malgot

VIII. OTHER ACTIVITIES

VIII.1 Special Lectures

- [1] KOPECKÝ, M.: Landslides in Slovakia. Lecture, TU Vienna, Vienna 2002 (in German)
- [2] LUKÁČ, M.: Past and Present of Civil Engineering in Constructing Dams at Home and Abroad. Lecture, SUT, Bratislava 2002 (in Slovak)

VIII.2 Commercial Activities for Firms and Institutions

- Special Structure Company, Ltd., Bratislava
- Water Construction, Inc., Bratislava
- SE, Inc., Nuclear Power Station, Jaslovské Bohunice
- Slovak National Bank, Inc., Bratislava
- VÚIS, Ltd., Bratislava
- VÁHOSTAV, Inc., Žilina
- Váh River Basin Authority, Piešťany

- RENOS, Inc., Bratislava
- KERAMOPROJEKT, Inc., Bratislava
- SOLHYDRO, Ltd., Bratislava
- Slovak Institute of Technical Normalisation, Bratislava
- GEOS, Inc., Bratislava
- Bodrog and Hornád River Basin Authority, Košice
- ENVI-GEO, Ltd., Banská Bystrica
- Hydrotechnology, Ltd., Bratislava
- HYDROCONSULT, Inc., Bratislava
- Slovak Geology Service, Bratislava
- HIGRAPOŠ, Ltd., Pezinok
- INGEO, Inc., Žilina
- HYDRO G.E.R., Ltd., Banská Bystrica
- SE, Inc., Electric Generating Station, Zemianske Kostolany
- SE, Inc., Nuclear Power Station, Mochovce
- STAVOSPOL, Ltd., Brno
- DVORAK – Geotechnics, Ltd., Bratislava
- DOPRASTAV, Inc., Bratislava
- TERRAPROJEKT, Inc., Bratislava
- SVP, Inc., Banská Bystrica, Banská Štiavnica, Košice
- Hydraulic Power Plant, Inc., Trenčín

IX. PUBLICATIONS

IX.1 Journals

Scientific Papers in Slovak Journals:

- [1] BEDNÁROVÁ, E. - GRAMBLIČKOVÁ, D.: The Effect of a Slurry Wall on the Groundwater Regime in the Locality of Suchohrad – Záhorská Ves. Podzemná voda, Vol. 8, 2002, No. 1, pp. 62 – 70 (in Slovak)
- [2] BEDNÁROVÁ, E. - GRAMBLIČKOVÁ, D.: Selected Problems of Protective Embankment Security. Vodohospodársky spravodajca, 2002, No. 5, pp. 15-22 (in Slovak)
- [3] GRAMBLIČKOVÁ, D. - BEDNÁROVÁ, E.: Protection of a Water Source from Pollution by Geotechnical Groundwater Protection Systems. Podzemná voda, Vol. 8, 2002, No. 1, pp. 71 – 77 (in Slovak)
- [4] HULLA, J.: Hydrodynamic Processes in the Investigation of Water Resources. Podzemná voda, Vol. 8, 2002, No. 1 (in Slovak)
- [5] HULLA, J.: Protection of Buildings during Floods. Stavebná ročenka, JAGA 2002, pp. 161 – 165 (in Slovak)
- [6] HULLA, J. - SLANINKA, V. - FARKAŠ, J. - ŠTEFANEK, J. - SÚLOVSKÁ, M.: Stability Problems of Morava Embankments. Vodohospodarsky spravodajca, 2002, No. 5, pp. 13-23 (in Slovak)
- [7] KLEPSATEL, F. – BALÁŽ, P.: Historic Tunnels in Bratislava. Stavba, Vol. 5, 2002, No. 3, pp. 36 - 38 (in Slovak)

- [8] KLEPSATEL, F. – CHABROŇOVÁ, J.: Road Tunnels. Stavebnícka ročenka, JAGA 2002, pp. 123-127 (in Slovak)
- [9] LUKÁČ, M. – PODKONICKÝ, L.: Samuel Mikovíny – Prominent Designer of Earth Dams and the Water System of Reservoirs Near Banská Štiavnica. Slovak Journal of Civil Engineering, Vol. 10, 2002 (in English)
- [10] LUKÁČ, M.: Development of Dam Safety Factors. Vodohospodársky spravodajca, 2002, No. 5, pp. 24 - 26 (in Slovak)
- [11] RAVINGER, R.: Building Faults and Reconstruction Caused by Subsoil Changes. Stavba, Vol. 5, 2002, No. 11, pp. 22 – 26 (in Slovak)
- [12] TRAN XUAN, Th. - VO, Ph. - BUI TRUONG, S.: Study of Mechanical Behaviour in Long-Term and Short-Term Bearing Capacity of Soft Clay in Ho Chi Minh City and the Mekong Delta. Slovak Journal of Civil Engineering, Vol. 10, 2002 (in English)

Scientific Papers Abroad (Other Journals):

- [1] KLEPSATEL, F. – BALÁŽ, P.: Road Tunnel Construction in Slovakia. Ceste i Mostovi, 2002, Nos. 7-8, pp. 177-182 (in Croatian)
- [2] KUSÝ, P. – KLEPSATEL, F.: Geotechnical Tunnelling Methods in Saturated and Convergent Rocks. Geotechnika, Vol. 5, 2002, No. 2, pp. 9 - 13 (in Slovak)
- [3] LUKÁČ, M. – POHANIČOVÁ, J.: Concrete Dams in Slovakia. Beton, 2002, No. 1, pp. 51 - 53 (in Slovak)

Contributions to Proceedings in Slovak:

- [1] BAČIAK, J. - MAGULA, P. - HULLA, J.: Seepage Under the Turček Dam. In: Proceedings of Dam Days 2002 Conference. Bratislava 2002, pp. 152 – 157 (in Slovak)
- [2] BEDNÁROVÁ, E. - GRAMBLIČKOVÁ, D.: Protective Embankments and Their Safety. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 62 – 65 (in Slovak)
- [3] BEDNÁROVÁ, E. – GRAMBLIČKOVÁ, D.: Geotechnical Aspects of Dam Safety. In: Proceedings of the “Geotechnics 2002” Conference. High Tatras – Štrbské Pleso 2002, pp.70 – 73 (in Slovak)
- [4] BEDNÁROVÁ, E. - UHORŠČÁK, Ľ. - KLEINOVÁ, A.: Efficiency of Anti-Seepage Protection and the Time Factor. In: Proceedings of Dam Days 2002 Conference. Bratislava 2002, pp. 327 – 332 (in Slovak)
- [5] GRAMBLIČKOVÁ, D. - BEDNÁROVÁ, E.: Methods of Protecting Drinking Water Supply from Pollution. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 58 – 61 (in Slovak)
- [6] HULLA, J.: Geotechnical Problems of Underground Car Parks. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 67-70 (in Slovak)

- [7] HULLA, J.: Sheet Walls of Excavations and Their Deformations. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 15-17 (in Slovak)
- [8] HULLA, J.: Failures of and Protective Measures for Buildings in Flooded Regions. In: Proceedings of the "Foundations 2002" Conference. Stará Lesná 2002, pp. 61 – 66 (in Slovak)
- [9] HULLA, J. - HUMMEL, J.: Additional Sealing of Navigation Locks. In: Proceedings of the 10th Anniversary of the Operation of the Water Works in Gabčíkovo. Čunovo 2002, pp. 59 – 63 (in Slovak)
- [10] HULLA, J.: Hydrodynamic Processes in the Investigation of Water Resources. In: Proceedings of the "Hydrology 2002" Conference. Bratislava 2002, pp. 22-24 (in Slovak)
- [11] HULLA, J. - HUMMEL, J. - CÁBEL, J.: Maximum Water Level for the Danube Embankment between Sap and Čičov. In: Proceedings of Dam Days 2002 Conference. Bratislava 2002, pp. 57 – 62 (in Slovak)
- [12] KOPECKÝ, M. - ŠTEFANEK, J.: Knowledge Gained from Analysis of Monitoring Results (1991-2000) at the Liptovska Mara Landslide. In: Proceedings of the "Geotechnics 2002" Conference. High Tatras – Štrbské Pleso 2002, pp. 79 - 81 (in Slovak)
- [13] KUZMA, J. - HRUŠTINEC, Ľ. - SZABÓ, R.: Geotechnical Problems of the Construction and Operation of Storage of Low and Medium Radioactive Waste. In: Proceedings of the "Geotechnics 2002" Conference. High Tatras – Štrbské Pleso 2002, pp. 90 – 92 (in Slovak)
- [14] KUZMA, J. - HRUŠTINEC, Ľ. - SZABÓ, R.: Foundation Problems. In: Proceedings of the "Building Structural Failure - Usage of Unsuitable Materials" Conference, Bratislava 2002, pp. 30 – 33 (in Slovak)
- [15] KUZMA, J. - SZABÓ, R. - HRUŠTINEC, Ľ.: Dump Stability Analyses of Solid Municipal Waste. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 204 – 207 (in Slovak)
- [16] LUKÁČ, M. – MIŠČÍK, M. – TKÁČ, J.: Effect of Shoaling and Slipping on V. Domaša Basin Capacity. In: Proceedings of Dam Days 2002 Conference. Bratislava 2002, D 2002, Bratislava 2002, pp. 352 - 356 (in Slovak)
- [17] LUKÁČ, M. – MIŠČÍK, M.: Some Aspects of Ageing Dams and Their Structures. In: Proceedings of Dam Days 2002 Conference. Bratislava 2002, pp. 357-363 (in Slovak)
- [18] LUKÁČ, M. – PODKONICKÝ, L.: Basin and Dam Systems in Banská Stiavnica. In: Proceedings of the International Scientific Conference on "240 Years of the Technical University in Slovakia", Bratislava 2002, pp. 109-116 (in Slovak)
- [19] LUKÁČ, M.: Some Problems with the Design, Construction and Operation of the Ružín Basin. In: Proceedings of the "30th Anniversary of the Ružín Basin and Electric Power Station" Conference, pp. 40-51 (in Slovak)
- [20] LUKÁČ, Mich. – LUKÁČ, Mir.: Interaction of Dams and the Environment. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 18-22 (in Slovak)

- [21] MASAROVIČOVÁ, M. - SLÁVIK, I. - JESENÁK, J. – BREZNICKÝ, J.: Geotechnical Arbitration of Metal Waste Sludge. In: Proceedings of the Geotechnics 2002 Conference. High Tatras – Štrbské Pleso 2002, pp. 87 – 89 (in Slovak)
- [22] MASAROVIČOVÁ, M. - SLÁVIK, I. - JESENÁK, J.: Geotechnical Aspects of Industrial Sludge. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 63 – 66 (in Slovak)
- [23] RAVINGER, R. - TURČEK, P.: Causes of Changes in Underground Water Near Foundations. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 71 – 74 (in Slovak)
- [24] RAVINGER, R.: Subsoil Changes and Building Failures. In: Proceedings of the 5th Conference on Foundation Failures and Reconstruction. Stará Lesná, 2002, pp. 67 – 72 (in Slovak)
- [25] SLAŠŤAN, P. - CÁBEL, J. - STOLIČNÝ, J. - HULLA, J.: Repairs to Permeable Materials Using Polyurethane Resins. In: Proceedings of Dam Days 2002 Conference. Bratislava 2002, pp. 39 – 44 (in Slovak)
- [26] SZABÓ, R. - KUZMA, J. - HRUŠTINEC, Ľ.: Use of Software Computation Method for Calculating Sheet Structure Stability. In: Proceedings of the Geotechnika 2002 Conference. High Tatras – Štrbské Pleso 2002, pp. 18 – 20 (in Slovak)
- [27] TRAN XUAN, Th. - BUI TRUONG, S.: Study of the Shear Strength of Soft Soil Using Different Testing Methods. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 25 – 30 (in English)
- [28] TRAN XUAN, Th. - NGUYEN HOANG, Q.: Stability Problems of an Earthfill Dam in the Event of a Rapid Drawdown. In: Proceedings of the “Geotechnics 2002” Conference. High Tatras – Štrbské Pleso 2002, pp. 76-78 (in English)
- [29] TRAN XUAN, Th.: Numerical Analysis for Deep Excavation for a Tall Building. In: Proceedings of the International Conference on New Trends in Static and Dynamics of Buildings, Bratislava 2002, pp. 91 – 96 (in English)
- [30] TRAN XUAN, Th.: Study of a Road Embankment on Soft Subsoil Using the Finite Element Method. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 47 – 50 (in English)
- [31] TRAN XUAN, Th. - ŠTEFANEK, J. - BUI TRUONG, S.: Stability Study of the Upstream Slope of an Earthfill Dam. In: Proceedings of Dam Days 2002 Conference. Bratislava 2002, pp. 280-285 (in English)
- [32] TRAN XUAN, Th. - ŠTEFANEK, J. - SÚLOVSKÁ M.: Stability of Flood Embankment. In: Proceedings of the “Geotechnika 2002” Conference. High Tatras – Štrbské Pleso 2002, pp. 73 – 75 (in English)
- [33] TURČEK, P. - RAVINGER, R.: Inspection of Nailed Efficiency. In: Proceedings of the “Geotechnics 2002” Conference. High Tatras – Štrbské Pleso 2002, pp. 44 – 47 (in Slovak)
- [34] TURČEK, P. - RAVINGER, R.: Improved Subsoil at the Selice Hydropower Plant. In: Proceedings of the 7th International Scientific Conference on Environmental Engineering. Košice 2002, pp. 51 – 54 (in Slovak)

Contributions to Proceedings Abroad:

- [1] BEDNÁROVÁ, E. - GRAMBLIČKOVÁ, D. - BAKALJAROVÁ, M.: Use of Geophysical Methods in an Analysis of a Filtration Mode Anomaly in the Rozgrund Basin. In: Proceedings of Conference on Geotechnical Field Methods. Ústí nad Labem 2002, pp. 88 – 94 (in Slovak)
- [2] BEDNAROVA, E. - GRAMBLICKOVA, D. - LUKAC, M.: Knowledge Gained from the Renovation of Some Slovak Dams. In: Proceedings of the International Congress on Maintenance and Reconstruction of Dams, Madrid 2002 (in English)
- [3] GRAMBLIČKOVÁ, D. - BEDNÁROVÁ, E.: Protection at the Surface Layer to Prevent Pollution of the Water Supply from Flood. In: Proceedings of Conference on Geotechnical Field Methods. Ústí nad Labem 2002, pp. 11 – 17 (in Slovak)
- [4] HULLA, J.: Flood Risks in the Danube Region. In: Proceedings of the 12th Danube – European Conference on Geotechnical Engineering, Passau 2002, pp. 77 – 80 (in English)
- [5] HULLA, J.: Foundations of the National Bank of Slovakia, Bratislava. In: Proceedings of International Foundations 2002 Conference. Brno 2002, pp. 116 – 120 (in Slovak)
- [6] KOPECKÝ, M.: Effect of Climatic and Hydrogeological Conditions on the Origin of Landslides in Slovakia. In: Proceedings of the 1st European Conference, Prague 2002, pp. 367 – 372 (in Slovak)
- [7] KOPECKÝ, M. - MALGOT, J. - BALIAK, F.: Geotechnical Problems of Highways to Poland in Landslide-Prone Areas of the Carpathian Flysh. In: Proceedings of International Foundations 2002 Conference. Brno 2001, pp. 9 – 13 (in Slovak)
- [8] KUZMA, J. - HRUŠTINEC, Ľ. - SZABÓ, R.: Analysis of Options for the National Waste Repository in Mochovce. In: Proceedings of International Foundations 2002 Conference, Brno 2001, pp. 57 – 61 (in Slovak)
- [9] KUZMA, J. - HRUŠTINEC, Ľ. - SZABÓ, R.: Monitoring the MSVP Foundation and Subsoil Stability in Jaslovské Bohunice. In: Proceedings of Conference on Geotechnical Field Methods. Ústí nad Labem 2002, pp. 47 – 52 (in Slovak)
- [10] KUZMA, J. - HRUŠTINEC, Ľ.: An Analysis of the Effect of Shearing Strength between Soils and Geomaterials on the Stability and Construction Treatment of Waste Deposits. In: Proceedings of the 12th Danube – European Conference Geotechnical Engineering, Passau 2002, pp. 511 – 514 (in English)
- [11] MASAROVIČOVÁ, M. - SLÁVIK, I. - JESENÁK, J. – BREZNICKÝ, J.: Effect of Geotechnical Factors on Desludging a Site to Inactive Sludge. In: Proceedings of International Foundations 2002 Conference. Brno 2002, pp. 81 – 85 (in Slovak)
- [12] MASAROVIČOVÁ, M. - SLÁVIK, I. - JESENÁK, J.: Calcareous Desludging Sites Geotechnical Problems. In: Proceedings of the 12th Danube – European Conference Geotechnical Engineering, Passau 2002, pp. 515 – 518 (in English)
- [13] LUKÁČ, Mich. - BEDNÁROVÁ, E. – LUKÁČ, Mir.: Problems with the Reconstruction of the Earth and Rock-Fill Dam Failures in Slovakia. In: Proceedings of the International Congress on Maintenance and Reconstruction of Dams, Madrid 2002, 6 pp. (in English)
- [14] RAVINGER, R. - TURČEK, P.: Reconstruction of the Anchor Blocks of Pipeline Bridges. In: Proceedings of International Foundations 2002 Conference. Brno 2001, pp. 121-125 (in Slovak)

- [15] SLAŠŤAN, P. - HULLA, J.: Using Polyurethane Resins in Slovakia. In: Proceedings of International Conference on Hardening, Sealing and Anchoring Rock Massives and Structures, Ostrava 2002, pp. 154 – 159 (in Slovak)
- [16] SLÁVIK, I. - MASAROVIČOVÁ, M. - JESENÁK, J.: Investigation of the Flow Potential of Ash Using Penetration Tests. In: Proceedings of Conference on Geotechnical Field Methods. Ústí nad Labem 2002, pp. 95 – 100 (in Slovak)
- [17] SZABÓ, R. (2002) - KUZMA, J. - HRUŠTINEC, Ľ.: Monitoring Stability of the Sheet Walls of Excavations. In: Proceedings of International Foundations 2002 Conference. Brno 2001, pp. 235 – 239 (in Slovak)
- [18] TRAN XUAN, Th.: Embankments on Soft Soils. In: Proceedings of International Foundations 2002 Conference. Brno 2001, pp. 86-92 (in English).
- [19] TURČEK, P. - RAVINGER, R.: Dredging at Bridge Piers. In: Proceedings of the 12th Danube – European Conference Geotechnical Engineering, Passau 2002, pp. 447 – 450 (in English)
- [20] TURČEK, P. - RAVINGER, R.: Monitoring the Castle Hill Locality in Bratislava. In: Proceedings of Conference on Geotechnical Field Methods. Ústí nad Labem 2002, pp. 29 – 35 (in Slovak)

IX.2 Books and Textbooks

- [1] HULLA, J. - TURČEK, P. - BALIAK, F. - KLEPSATEL, F.: Forecasts and Reality in Geotechnical Engineering. Bratislava 2002 (in Slovak)
- [2] KLEPSATEL, F. - TURČEK, P. - BALIAK, F. – MALGOT, J. – KAPUSTA, J.: Construction of Road Tunnels in Rock and Semi-Rock Massives - Conventional Construction Methods. Part 1, Bratislava 2002, 90 pp. (in Slovak)
- [3] KLEPSATEL, F. – KAPČÍK, A. – KUSÝ, P. – KELEŠI, J. – FRANKOVSKÝ, M.: Construction of Road Tunnels in Rock and Semi-Rock Massives - Conventional Construction Methods. Part 2, Bratislava 2002, 50 pp. (in Slovak)
- [4] LUKÁČ, Mich. – LUKÁČ, Mir.: Water Reservoirs as Alternative Sources of Drinking Water (Villages, Towns, Cities). Bratislava 2002, 57 pp. (in English)
- [5] TURČEK, P. – SLÁVIK, I.: Foundations. Bratislava 2002, 281 pp. (in Slovak)

IX.3 Conferences

- [1] BALIAK, F.: International Geotechnics 2002 Conference. High Tatras - Štrbské Pleso, Scientific Grant
- [2] BALIAK, F.: International Geotechnics 2002 Symposium. Gliwicz - Ustroń, Poland, Conference Scientific Committee
- [3] HULLA, J.: 12th Danube – European Geotechnical Engineering Conference, Passau 2002, Germany, Scientific Grant
- [4] HULLA, J.: 5th Foundations 2002 Conference (with international participation). Stará Lesná, Scientific Grant
- [5] HULLA, J.: Geotechnical Conference on Probability in Geotechnics: Technical and Economic Risk Estimation. Graz 2002, Austria, Scientific Grant

- [6] HULLA, J.: International Foundations 2002 Conference. Brno, Czech Republic, Scientific Grant
- [7] HULLA, J.: International Geotechnics 2002 Conference. High Tatras - Štrbské Pleso, Scientific Grant
- [8] KLEPSATEL, F.: Conference on New Methods in Geotechnical Engineering, Organising Committee
- [9] LUKÁČ, M.: 28th Dam Days 2002 Conference (with international participation). Bratislava 2002, Scientific Grant
- [10] LUKÁČ, M.: International Scientific Conference on "240 Years of the Technical University in Slovakia", Banská Štiavnica 2002, Scientific Grant
- [11] MALGOT, J.: International Geotechnics 2002 Conference. High Tatras - Štrbské Pleso, Scientific Grant
- [12] MASAROVIČOVÁ, M.: International Foundations 2002 Conference. Brno, Czech Republic, Conference Scientific Committee.
- [13] TURČEK, P.: 5th Foundations 2002 Conference (with international participation). Stará Lesná, Scientific Grant
- [14] TURČEK, P.: International Foundations 2002 Conference. Brno, Czech Republic, Conference Scientific Committee
- [15] TURČEK, P.: International Geotechnical Field Methods 2002 Conference. Ústí nad Labem, Czech Republic, Conference Scientific Committee
- [16] TURČEK, P.: International Geotechnics 2002 Conference. High Tatras - Štrbské Pleso, Scientific Grant