

DEPARTMENT OF CONCRETE STRUCTURES AND BRIDGES
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II. EQUIPMENT

II.1 Teaching and Research Laboratories

The Department has a separate laboratory facility (220 m²) located in the Trnávka - UNI research complex. We are able to test specimens made from

- concrete (reinforced, prestressed)
- steel
- wood
- mortar

The laboratory is accredited for testing basic concrete mechanical properties.

The maximum size of the samples or structures for testing is up to 12 m in length and 4 m in height.

II.2 Special Measuring Instruments and Computers

The Department has a computer centre equipped with personal computers and an HP plotter, scanner and INTERNET connection. The teaching process is supported by state-of-the-art CAD-FEM systems.

The laboratory facility has:

- compression - testing machines with a loading capacity from 1.0 N to 6,000 kN
- tension - testing machines with a loading capacity from 1.0 N to 500 kN,
- a reinforced testing slab with anchorage holes (one hole has a 500 kN loading capacity, and the distance between the holes is 750 mm),
- a hydraulic loading system with hydraulic jacks (250 kN – 2,000 kN; the working pressure is 20 MPa),
- a stress gauge measuring PC centre with 64 channels with 4 wire connections,
- a universal measuring PC centre with 100 channels for stress gauges and 20 channels for displacement sensors.

III. TEACHING

III.1 Graduate Study

Obligatory subjects

Subject	Semester	Hours Per Week		Lecturer
		Lectures	Seminars	
Design of Concrete and Masonry Members	4	3	2	J. Bilčík, Ľ. Fillo
Concrete and Masonry Members	5	2	1	Ľ. Fillo, J. Bilčík
Reinforced Concrete Structural Members	6	3	3	Š. Gramblička J. Halvoník
Reinforced Concrete Structural Systems	6	3	3	I. Harvan, M. Čabrák D. Majdúch
Concrete Structures I	5	2	1	Ľ. Fillo
	6	3	2	I. Hudoba

Concrete Structures	6	3 - 2	J. Bilčík
Concrete Structures II	7	2 - 2	D. Majdúch
Prestressed Concrete	7	2 - 2	I. Harvan
Concrete Bridges	8	3 - 2	Ľ. Bolha
Reinforced High-Rise and Long-Span Structures	8	2 - 1	A. Iyad
Special Problems in Concrete Structures I	9	2 - 2	J. Cesnak
Lifespan and Repair of Concrete Structures	10	2 - 2	J. Bilčík, M. Chandoga
High-Rise Concrete Structures	10	2 - 2	Š. Gramblička
Realization of Concrete Structures	10	2 - 2	I. Hudoba, M. Chandoga
Preparation of the First Degree Thesis	10	0 - 10	D. Majdúch
Special Problems in Concrete Structures II	10	2 - 1	I. Harvan

Optional Subjects

Subject	Semester	Hours Per Week		Lecturer
		Lectures	Seminars	
CAD in Concrete Structures	7	2 - 1		J. Šoltész
Precast Concrete Structures	7	2 - 1		M. Čabrák
Masonry Structures	10	2 - 2		M. Čabrák
Time-Dependent (Rheological) Effects in Concrete Structures	9	2 - 2		Ľ. Bolha
Special Concrete Structures	9	2 - 2		F. Hájek, M. Chandoga
Concrete Hydro-Structures	10	2 - 2		D. Majdúch
Failure of Concrete Structures	10	2 - 2		J. Cesnak
Experimental Testing of Concrete Structures	10	2 - 2		V. Priechodský

Recommended subjects

Subject	Semester	Hours Per Week		Lecturer
		Lectures	Seminars	
Flat Plate Slabs	8	2 - 2		F. Hájek
Composite Structures	9	2 - 2		Š. Gramblička

IV. RESEARCH TARGETS

The research activities of the Department are targeted at new design methods for reinforced, prestressed and composite structures, methods of renovation of building structures and bridges and utilisation of high-performance and fibre concrete for concrete structures and precast elements.

V. RESEARCH PROJECTS

1. Effect of the Time Factor on Design Methods and Renovation of Building Structures (2000-2002). Head of Project: J. Bilčík
2. U.S. - Slovak Engineering Research on a Magneto-Elastic Stress Sensor (1997 - 2000). Grant No.: INT – 9712323, Award of the National Science Foundation USA. Head of Project: Ming L. Wang - Department of Civil and Materials Engineering,

University of Illinois at Chicago, USA.

Cooperation: A. Jaroševič, Department of Radio Engineering, Faculty of Mathematics and Physics, Comenius University, Bratislava.

M. Chandoga, Department of Concrete Structures and Bridges, Faculty of Civil Engineering, STU Bratislava.

3. Theoretical – Experimental Analysis of Selected Design Problems of Load-Bearing Masonry Structures (1999 – 2001). VEGA Project 1/6303/99. Head of Project: M. Čabrák

VI. COOPERATION

VI.1 Cooperation in Slovakia

1. Cooling Towers Bohunice
2. VUIS - Bridges
3. ZIPP Bratislava
4. SSC Bratislava
5. Slovak Chamber of Civil Engineers
6. Doprastav Bratislava
7. Comenius University of Bratislava
8. Slovak Academy of Science
9. VVÚPS-NOVA Bratislava
10. VUJE Trnava
11. VUEZ Levice
12. Ministry of Foreign Affairs of the Slovak Republic
13. Nuclear Regulatory Authority of the Slovak Republic
14. Slovak Electric Power Company

VI.2 International Cooperation

1. Klokner Institute ČVUT Prague, Czech Republic
2. Faculty of Civil Engineering, VUT Brno, Czech Republic
3. ETH - Laboratory for Building Materials, ETH Zürich, Switzerland
4. Institut für Baustatik und Konstruktion, ETH Zürich, Switzerland
5. Baustoffinstitut, TU Munich, Germany
6. Institut für Massivbau und Baustofftechnologie, University of Leipzig, Germany
7. Katedra Budowy Mostow Politechniki Slaskiej, Gliwice, Poland
8. Department of Civil and Materials Engineering, University of Illinois at Chicago, USA
9. RIB Bausoftware, Stuttgart, Germany
10. Deutscher Ausschuss für Stahlbeton, Berlin, Germany
11. Betosan, s.r.o., Prague, Czech Republic
12. Siemens, A.G.
13. Seidl & Partners, G.m.b.H., Regensburg, Germany
14. European Commission, DG Research, Brussels, Belgium
15. Imperial College for Science, Technology and Medicine, London, U.K.
16. St. Paul University, Brussels, Belgium
17. Fachhoch Schule Braunschweig – Wolfenbütel, Germany
18. Institut für Massivbau, TU Darmstadt, Germany

VI.2.1 Visitors to the Department

- Prof. Ing. J. Procházka, PhD., ČVUT Prague, Czech Republic
- Ing. P. Čížek, PREZIPP, s.r.o., Chrudim, Czech Republic
- Dipl.- Ing. Dr. techn. E. Handel, Dipl.- Ing. Dr. techn. K. Zenkner, IG ZENKNER & HANDEL, Consulting Engineers, Graz, Austria

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

- I. Hudoba, K. Sýkorová – Institut für Massivbau, TU Darmstadt, Germany

VII. THESES

VII.1 Graduate Theses

No.	Student's name	Title	Supervisor
1.	Róbert Benovič	County Police Station Headquarters Building: Cast-in-Place RC Construction with Shear Walls	I. Harvan
2.	Kinga Bodóová	Tax Office Building: Cast-in-Place RC Wall Construction	I. Harvan
3.	Martina Surmová	Slovak Insurance Company Building: Cast-in-Place RC Construction with Bracing Cores and Flat Slabs I. Harvan	I. Abrahoim
		4. Katarína Jankovičová	
		Realization Project –Structural Analysis Part – Block of Flats M. Čabrák	
		5. Martin Jirkovský	
		Realization Project –Structural Analysis Part - Multifunctional Block of Flats M. Čabrák	
		6. Matúš Makara	
		Realization Project: Dormitory Living Facility M. Čabrák	

	7.	Jozef Galčík	
		Multifunctional Building: Cast-in-Place RC Construction I. Abrahoim	
	8.	Andrea Hanusrichterová	
		Hotel: Cast-in-Place RC Wall Construction	
9.	Andrej Maruniak	Bridge on E50 Road – Diversion Round Village of Figa	E. Fillo
10.	Tomáš Pollák	Structural Analysis of Main RC Construction of Office Building	J. Bilčík
11.	Peter Puškáč	Underground Precast RC Water Tank	I. Hudoba
12.	Tibor Viola	Underground Garage	F. Hájek
13.	Roman Repta	Construction of High-Rise Office Building	Š. Gramblička
14.	Ľubomír Placek	Flue of VW Bratislava Paint Shop – RC Construction	J. Šoltész
15.	Marek Škrovina	Administration Building	D. Majdúch
16.	Viktor Volek	Bridge Built by Free Cantilever Method	E. Bolha

VIII. OTHER ACTIVITIES

VIII.1 Special Lectures

1. Prestressed Concrete Members with Bonded and Unbonded Tendons
2. Tall Buildings. Effect of Seismic Loads. Deformation of Slab Constructions
3. Software for Design of Concrete Structures
4. Chandoga, M. – Jarošević, A. – Ming, L.W.: Stress Monitoring of Cables for Second Yangtze River Bridge at Nanking. Directory of Second Yangtze River Bridge, China

VIII.2 Commercial Activities for Firms and Institutions

1. Bilčík, J. – Bolha, E. – Hudoba, I.: Potential Applications of High-Performance Concrete in Precast Construction
2. Bilčík, J. – Bolha, E.: Verification of the Crown of the Cooling Tower V2 No. 102 in Nuclear Power Plant at Jaslovské Bohunice
3. Bilčík, J. – Halvonik, J. – Ďuriš, D.: Assessment of the Present Condition of and Necessary Repairs to the 150 M Chimney at Nováky
4. Bilčík, J. – Bolha, E.: Repair of the Damaged Vertical and Inclined Surfaces of Hydro Power Plants at L. Mara, Bešeňová and Hričov
5. Hudoba, I. – Ďurčo, M.: Static Assessment and Reconstruction Design of Reinforced Concrete Gate Shaft, Strengthening Design
6. Hudoba, I. – Bartók, A.: Assessment of the Construction Stages of Reinforced Concrete Germination Silos. Technological Procedure and Casting Design

7. Hudoba, I. – Bilčík, J.: Evaluation of the Service Life of Fibre-Reinforced Containers, Design Programme of Testing and Assessment of Fibre-Reinforced Concrete Mechanical and Physical Properties
8. Rojko, L. – Priechodský, V. – Pilka, D.: Laboratory Tests of Fibre-Reinforced Concrete for Višňové Pilot Tunnel

IX. PUBLICATIONS

IX.1 Journals

- [1] BILČÍK, J. - MORSY, K.: Compatibility of Repair Materials. Building Research Journal, Vol. 40, 2001, No.1, pp. 1-10 (in English)
- [2] GRAMBLIČKA, Š.: Slender Columns for a High Load Level. Projekt a stavba, Vol. 3, 2001, No. 3, pp. 9-11 (in Slovak)
- [3] GRAMBLIČKA, Š.: Failures of Reinforced Concrete Structures. Projekt a stavba, Vol. 3, 2001, No. 12 (in Slovak)
- [4] HARVAN, I.: Arrangement of Ordinary Reinforcement in the Vicinity of Openings in Reinforced Concrete Slabs. Projekt a stavba, Vol. 6, 2001, p. 2 (in Slovak)
- [5] HARVAN, I.: Effective Length of Columns in Reinforced Concrete Frame Systems. Projekt a stavba, Vols. 7-8, 2001, p. 2 (in Slovak)
- [6] HARVAN, I. – ABRAHOIM, I.: Width of Cracks in Partially Prestressed Members, Betón a zdivo 2004/ Česká společnost pro betón a zdivo, Pardubice 2001, p. 6 (in Slovak)
- [7] HUDOBA, I.: The Slovak Building Industry from the Past to the Present. Commercial Building Directory 2001, pp. 94-95 (in Slovak)

IX.2 Books and Textbooks

- [1] BALÁŽ, I. – FILLO, L., et al.: Eurocodes for the Design of Building Structures. ES SUT 2001 – 304 pp. (in Slovak)
- [2] FILLO, L. – SOKOL, M. – BELLOVÁ, M.: Static and Dynamic Analysis of Building Structures. ES SUT 2001 – 101 pp. (in Slovak)
- [3] HÁJEK, F. – PROCHÁZKA, J.: Welded Reinforcement Mesh, Prague, ČBS, ČKAIT 2001, 218 pp. (in Czech)
- [4] HÁJEK, F.: Cracks in Concrete and Masonry Structures–Universal Method of Diagnosis. In: Structural Yearbook 2002, Jaga 2001 Bratislava, pp. 153 – 160 (in Slovak)
- [5] HALVONIK, J. – FILLO, L.: Concrete Structures – Design According to Service Limit States, Bratislava, ES SUT 2001, 108 pp. (in Slovak)
- [6] HARVAN, I.: Load-Bearing Structures of Buildings, Bratislava, KASI 2001, 252 pp. (in Slovak)
- [7] ŠOLTÉSZ, J. – BARTÓK, A.: Computer-Aided Design of Concrete Structures with the Support of FEM Programmes, SUT Bratislava 2001, ISBN 80 – 227 – 1513 – 1, 195 pp. (in Slovak)

IX.3 Conferences

- [1] ABRAHOIM, I.: Modelling the Effect of a Prestressed Unbonded Tendon in Flat Slabs. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs. Faculty of Civil Engineering SUT Bratislava 2001, pp. 99 – 104 (in Slovak)
- [2] BELLOVÁ, M.: An Analysis of Peripheral Masonry Basement Walls of Buildings Subjected to Earth Pressure. In: Proceedings of Conference on the Failure of Buildings, Their Removal in Construction Work and the Redevelopment of Damp Buildings. The House of Engineering, Bratislava 2001, pp. 81- 86 (in Slovak)
- [3] BELLOVÁ, M.: A Convenience Analysis of the Application of Monolithic Reinforced Concrete and Prefabricated Burnt Clay Floors. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs. Faculty of Civil Engineering SUT Bratislava 2001, pp. 147 - 152 (in Slovak)
- [4] BELLOVÁ, M.: Design of Masonry Walls Subjected to a Lateral Load (According to the European Prestandard). In: Proceedings of the 2nd International Scientific Conference on Quality and Reliability in the Building Industry. Levoča 2001, pp. 39 – 44 (in English)
- [5] BILČÍK, J.: Criteria for the Selection of Repair Materials. In: Proceedings of International Symposium on Repair of Concrete Structures, Brno 2001, pp. 252 – 256 (in Slovak)
- [6] BILČÍK, J.: Textile Reinforcement of Concrete. In: Proceedings of International Conference on Building Materials and Testing. Štrbské Pleso 2001, pp. 35 - 36 (in Slovak)
- [7] BILČÍK, J.: Investigation of Concrete Structures Damaged by Cracks. In: Proceedings of International Conference on Quality and Reliability in the Building Industry, Levoča 2001, pp. 51 – 54 (in English)
- [8] BILČÍK, J. – MORSY, K.: Compatibility of Materials. In: Proceedings of International Conference on Failures of Concrete Structures II, Bratislava 2001, pp. 207 – 212 (in English)
- [9] BILČÍK, J. – BOLHA, Ľ.: Measures to Prevent the Development of Cracks in Concrete Pavements. In: Proceedings of International Conference on Concrete Pavements, Bratislava 2001, pp. 55 – 60 (in Slovak)
- [10] BILČÍK, J.: Cracks in Concrete Structures. In: Proceedings of Conference on Repair of Concrete Structures, Bratislava 2001, pp. 13 – 16 (in Slovak)
- [11] BILČÍK, J.: Repair of Concrete Structures in the European Standards. In: Proceedings of Conference on Repair of Concrete Structures, Bratislava 2001, pp. 70 – 74 (in Slovak)
- [12] BILČÍK, J.: Evaluation of the Condition of Analysed Structures. In: Proceedings of Workshop on Modeling Concrete Structures, Bratislava 2001, pp. 7 – 11 (in Slovak)
- [13] BOLHA, Ľ.: New Trends in the Design of Concrete Floor Structures. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs. Faculty of Civil Engineering SUT Bratislava 2001, pp. 163 – 160 (in Slovak)
- [14] ČABRÁK, M. – SZABAD, Z.: Contribution to the Solution of the Static Aspects of Walled Load-Bearing Pillars Using Reinforced Masonry. In: Proceedings of 3rd International Conference on Building Materials and Testing. ORGWARE, Bratislava 2001, pp. 64 – 66 (in Slovak)
- [15] ČABRÁK, M.: Reinforced Masonry as an Effective Method to Secure Structural Reliability of Load-Bearing Masonry of Buildings. In: Proceedings of Conference on Building Failures and Their Elimination in the Construction and Repair of Damp Buildings. Dom techniky ZSVTS, Bratislava 2001, pp. 74-80 (in Slovak)
- [16] ĎURČO, M.: Modelling Bridge Structures – Model Cases. In: Proceedings of Seminar on Modeling Concrete Structures, STRAP Day IV, DCSB, SUT, 24 May 2001, Bratislava, pp. 29 – 32 (in Slovak)
- [17] FIILLO, Ľ. – BENKO, V. – MRÁZIK, A.: Reliability Conditions for Concrete Structures. In: Proceedings of 2nd International Scientific Conference on Quality and Reliability in the Building Industry. Levoča 2001, pp. 145 – 152 (in English)

- [18] GRAMBLIČKA, Š.: Errors in the Design and Realisation of Bearing Structures of Constructions. In: Proceedings of 2nd International Scientific Conference on Quality and Reliability in the Building Industry, Levoča 2001, pp. 179 – 183 (in English)
- [19] GRAMBLIČKA, Š.: Failure of Reinforced Concrete Bearing Structures Due to Mistakes in Their Design and Construction. In: Proceedings of 9th International Expercentrum Conference, Bratislava 2001, pp. 114 – 117 (in English)
- [20] GRAMBLIČKA Š.: Composite Steel Sheet and Concrete Slabs, Design, New Concepts and Application. In: Proceedings of Conference on Monolithic and Precast Concrete Slabs and Roofs, Bratislava 2001, pp. 161 - 166 (in Slovak)
- [21] GRAMBLIČKA, Š.: Composite Steel and Concrete Columns – Encased Steel Sections. In: Proceedings of Seminar on / ENV – EUROCODES I./, Faculty of Civil Engineering, SUT Bratislava 2001, pp. 150 - 158 (in Slovak)
- [22] HÁJEK, F.: Welded Floors. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, SUT Bratislava, Bratislava 2001, p. 20 (in Slovak)
- [23] HÁJEK, F.: Development Trends. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, SUT Bratislava, Bratislava 2001, p. 26 (in Slovak)
- [24] HÁJEK, F.: Reconstruction of the Keramzit Concrete Façade Panels. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, SUT Bratislava, Bratislava 2001, p. 177 (in Slovak)
- [25] HALVONIK, J. – CHANDOGA, M.: Tendon Layout of the Column–Slab Zones of Flat Slabs. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava 2001, p. 109 (in Slovak)
- [26] HARVAN, I. – GRAMBLIČKA, Š.: Extent and Content of Static Calculations for Additionally Created Openings in Load–Bearing Walls. In Proceedings of Seminar on Regeneration of Structural Systems of Buildings Made from Precast Wall and Floor Members. Czech Concrete Society, Prague 2001, p. 8 (in Slovak)
- [27] HARVAN, I.: Arrangement of Ordinary Reinforcements in the Vicinity of Openings in Reinforced Concrete Beams. In Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, Bratislava 2001, p. 8 (in Slovak)
- [28] HARVAN, I.: Arrangement of Ordinary Reinforcement in the Vicinity of Openings in Reinforced Concrete Slabs. In Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, Bratislava 2001, p. 4 (in Slovak)
- [29] HARVAN, I. – SURMOVÁ, M.: Post-Tensioned Flat Slab Prestressed by Unbonded Tendons. In Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, Bratislava 2001, p. 6 (in Slovak)
- [30] HUDOBA, I. – SÝKOROVÁ K.: Fibre Concrete: The Possibilities of Its Utilization in the Building Industry and for Special Purposes. In: Proceedings of Scientific Conference on Reliability 2001, Brno Military Academy, Czech Republic, pp. 59 - 63 (in Slovak)
- [31] HUDOBA, I. – SÝKOROVÁ, K.: Fibre Concrete and Methods for Its Application in a Building Practice. In: Proceedings of Scientific Conference on Building Materials and Testing, Hotel Panoráma Štrbské Pleso, 2001, pp. 32 - 34 (in Slovak)
- [32] HUDOBA, I.: The Application of High-Performance Concrete and Fibreconcrete in Flat – Slab Construction. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, 2001, pp. 43 - 51 (in Slovak)
- [33] CHANDOGA, M. – HALVONIK, J. – ĎURČO, M. – ČERNĀNSKÝ, L.: Optimization of Prestressing in Post – Tensioned Slabs. In: Proceedings of Conference on Monolithic and

- Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, 2001, pp.119 - 127 (in Slovak)
- [34] JAROŠEVIČ, A. – CHANDOGA, M.: Monitoring Stress Losses in Unbonded Prestressing Using the EM Method. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, 2001, pp.128 - 132 (in Slovak)
- [35] JERGA, J. – KRIŽMA, M. – BOLHA, L.: Development of Cracks in Compomid Aerated Concrete Lintels. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, 2001, pp. 52 - 57 (in Slovak)
- [36] KRÁLIK, J. – CESNAK, J.: Resistance Analysis of Reinforced Concrete Structure of NPP Hermetic Zone with Concrete Cracking Due to Loss of Coolant Accident. In: Proceedings of International Conference on Failures of Concrete Structures II, Bratislava 2001, pp. 45 – 50 (in English)
- [37] KRÁLIK, J. – CESNAK, J.: Impact Protection of Reactor Container Hall. In Proceedings of 9th Users Meeting, Czech Republic and Slovakia 2001, Třešť, 24 – 26. September 2001, pp. 1 – 6 (in English)
- [38] LLOYD, G. – WANG, M. – HALVONIK, J.: Selection of a Sensor for an Integrated Monitoring System for the Kishwauke Bridge Based upon Results of Static and Dynamic Testing. In: Proceedings of Third Workshop on Structural Health Monitoring, Stanford, California, September 11 – 14, 2001, p. 1496 (in English)
- [39] ROJKO, L.: Modelling Tunnel Linings. In: Proceedings of Conference on Modelling Concrete Structures – STRAP DAY IV, Hotel Sorea Bratislava, May 2001, pp. 23 – 27 (in Slovak)
- [40] ROJKO, L.: Design of Long-Span Slabs Using Unbonded Prestressing. Application in Petržalka Multifunction Center. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, 2001, pp. 138 - 143 (in Slovak)
- [41] ROJKO, L. – ČULÍK, P.: Conversion of the Višňové Pilot Tunnel. In Proceedings of Concrete Days 2001 Conference, Pardubice, November 2001, pp. 252 – 257 (in Slovak)
- [42] SOTÁKOVÁ, D. – MAJDÚCH, D. – BOJDA, A.: Renovation of Turbogenerator Seating Damaged by Fire. Failure of Concrete Structures, 5-7 September 2001 Bratislava, Slovakia, pp. 178 – 184 (in Slovak)
- [43] ŠOLTÉSZ, J. – HALVONÍK, J.: Chimney of VW Spraying Plant in Bratislava. In: Proceedings of Concrete Days 2001, Czech Concrete Society, Pardubice 2001, pp. 275 – 280 (in Slovak)
- [44] ŠOLTÉSZ, J. – BARTÓK, A.: Roof Structure of EFPA Control Center of Slovnaft. In: Proceedings of Conference on Monolithic and Precast Concrete Floors and Roofs, Faculty of Civil Engineering, SUT Bratislava, 2001, pp.180 - 183 (in Slovak)
- [45] ŠOLTÉSZ, J.: Seismic Design of Concrete Structures. In: Proceedings of Conference on Modeling Concrete Structures – STRAP DAY IV, Hotel Sorea Bratislava, May 2001, pp. 23 – 27 (in Slovak)
- [46] ŠOLTÉSZ, J. – ĎURČO, J. – ROJKO, L. – BENKO, V.: STRAP Structural Analysis Systems for Civil and Structural Engineers – Seismic Response Analysis. In Proceedings of Tagungsband Infotag ERDBE BEU – Arsenal Research, Vienna 2001, pp. 79 – 82 (in English)