

<b>DEPARTMENT OF BUILDING STRUCTURES</b>
--

Head of the Department:  
Professor Anton Puškár, CEng., PhD.

Tel.: + 421 2 59274 642  
Fax: + 421 2 52920 482  
E-mail: puskar@svf.stuba.sk

**I. STAFF****Professors**

Beřko Bohumír, PhD.	+421 2 59274 434	
Bielek Milan, DSc.	+421 2 59274 444	mbielek@svf.stuba.sk
Hraška Jozef, PhD.	+421 2 59274 458	hraska@svf.stuba.sk
Hykš Pavel, PhD.	+421 2 59274 462	
Ohrablo František, PhD.	+421 2 59274 456	ohrablo@svf.stuba.sk
Oláh Jozef, PhD.	+421 2 59274 463	
Puškar Anton, PhD.	+421 2 59274 642	puskar@svf.stuba.sk
Puškáš Július, PhD.	+421 2 59274 460	
Tomašovič Peter, PhD.	+421 2 59274 436	tomasov@svf.stuba.sk
Zajac Jozef, DSc.	+421 2 59274 451	

**Emeritus**

Halahyja, Martin, DSc.	+421 2 59274 419
Horniaková Lýdia, PhD.	
Tajmír Mirko, DSc.	

**Associate Professors**

Adamská Gabriela, PhD.	+421 2 59274 435	adamska@svf.stuba.sk
Antalová Libuša, PhD.	+421 2 59274 649	
Greško Dušan, PhD.	+421 2 59274 449	
Chmurný Ivan, PhD.	+421 2 59274 402	chmurny@svf.stuba.sk
Mikolai Imrich, PhD.	+421 2 59274 479	mikolai@svf.stuba.sk
Polák Zoltán, PhD.	+421 2 59274 442	
Szomolányiová Klára, PhD.	+421 2 59274 438	
Turček Ivan, PhD.	+421 2 59274 441	
Žilinský Juraj, PhD.	+421 2 59274 461	zilinsky@svf.stuba.sk

**Senior Lecturers**

Bacigalová Janka, PhD.	+421 2 59274 437	bacigal@svf.stuba.sk
Bartko Michal	+421 2 59274 457	bartko@svf.stuba.ak
Bielek Boris, PhD.	+421 2 59274 323	boris@svf.stuba.sk
Držka Milan, PhD.	+421 2 59274 447	
Fučila Jozef, PhD.	+421 2 59274 443	fucila@svf.stuba.sk
Gašparovičová Viera, PhD	+421 2 59274 459	
Gieciová Mária, PhD	+421 2 59274 433	gieciova@svf.stuba.sk
Grznár Miroslav	+421 2 59274 454	grznar@svf.stuba.sk
Iskrová Alica	+421 2 59274 446	iskrova@svf.stuba.sk
Jakeš Erik, PhD	+421 2 59274 323	
Jamnický Martin	+421 2 59274 457	jamnický@svf.stuba.sk
Králik Ján	+421 2 59274 607	
Mend'an Rastislav	+421 2 59274 654	

Miklósiová Terézia, PhD.	+421 2 59274 433	
Minarovičová Katarína		
Olbríimek Juraj, PhD.	+421 2 59274 450	olbrimek@svf.stuba.sk
Pernišová Alena, PhD.	+421 2 59274 443	
Rabenseifer Roman, Dr. tech.	+421 2 59274 450	roman@svf.stuba.sk
Straňák Zsolt	+421 2 59274 397	stranak@svf.stuba.sk
Šebestová Viera, PhD.	+421 2 59274 439	
Vargová Andrea, PhD.	+421 2 59274 459	vargova@svf.stuba.sk
Vavrovič Boris, PhD.	+421 2 59274 649	vavrovic@svf.stuba.sk
<b>Doctoral Students</b>		
Buday Peter	+421 2 59274 654	peter.buday@pobox.sk
Dlhý Dušan		
Juhászová Zuzana		
Kopčák Peter	+421 2 59274 655	p-kopcak@pobox.sk
Kurucová Silvia	+421 2 59274 653	
Palko Milan		
Panáček Radovan		
Rychtáriková Monika	+421 2 59274 653	
Štrigner Róbert		
Žúdel Róbert		
<b>Technical Staff</b>		
Hermanská Beáta	+421 2 59274 454	hermansk@svf.stuba.sk
Janák Milan, PhD.	+421 2 59274 397	milan@svf.stuba.sk
Janáková Ľubica	+421 2 59274 453	
Štujber Miloslav	+421 2 59274 465	stujber@svf.stuba.sk
Lisýová Beáta	+421 2 59274 453	
Lukačovič Michal	+421 2 59274 422	
Ordódyová Eva	+421 2 59274 664	ordody@svf.stuba.sk
Szabó Daniel	+421 2 59274 452	szabod@svf.stuba.sk
Kochánková Soňa (secretary)	+421 2 59274 643	
<b>Craftsmen</b>		
Kaušitz Ladislav	+421 2 59274 452	

## II. EQUIPMENT

### II.1 Teaching and Research Laboratories

- Large climatic chamber for synergistic research on heat transfer, vapour diffusion and air infiltration
- Acoustic chamber for experimental research on airborne sound and impact sound insulation
- Large pressure chamber for air infiltration research
- Rain chamber for research on water penetration through details of walls and roofs
- Solar chamber for the study of the energy balance of windows
- Physics laboratory for foundation engineering

### II.2 Special Measuring Instruments and Computers

- Testing equipment for research on the durability of materials
- PC - laboratory for CAD systems

– SUN Microsystem – UNIX laboratory for computer-aided building simulation

### II.3 Computer software

The following state-of-the-art computer software is used in Computer Building Simulation classes:

- ASAP - a professional optical modelling program designed to calculate the performance of fully three-dimensional optical systems. The program originates from the Breault Research Organization, Inc. (<http://www.breault.com/>);
- ESP-r - a European thermal simulation reference program capable of integrated energy and environmental simulation of buildings. The program originates from the Energy Systems Research Unit of the University of Glasgow (<http://www.strath.ac.uk/Departments/ESRU/>);
- RADIANCE - lighting simulation and rendering system which originates from the Lawrence Berkeley Laboratory (<http://radsite.lbl.gov/radiance/>).

## III. TEACHING

The Department covers the basic study areas necessary for a graduate of this discipline. The theory of building construction is based on a symbiosis of architecture, construction, and applied building physics. In the subjects of building construction, studio design typology, architectural design, thermodynamics, acoustics, daylighting, and the energy efficiency of buildings, students are directed towards the design of construction units, elements, and details by theoretical and experimental methods of reasoning.

### III.1 Graduate Study

Subjects	Semester	Hours per Week		Lecturer
		Lectures	Seminars	
Technical Drawing	1	0 – 2		Gieciová
Building Construction I.	2	2 – 2		Adamská, Šebestová
Building Construction II.	3	2 – 2		Hykš, Gieciová
Building Construction III.	4	2 – 2		Zajac, Špička
Building Construction IV.	5	2 – 2		Oláh, Ohrablo
Building Construction V.	6	2 – 2		Puškář, Polák
Thermal Engineering of Buildings I.	4	2 – 2		Beřko, Chmúrny
Design Studio I.	4	0 – 3		Rabenseifer, ARC
Design Studio II.	5	0 – 2		Miklósiová, ARC
Design Studio III.	6	0 – 3		Miklósiová
Building Acoustics and Illumination I.	5	2 – 2		Puškář, Tomašovič
Building Construction VI.	7	2 – 2		Szomolányiová
Design Studio VII.	10	0 – 5		Držka
Energy Effectiveness of Buildings	8	2 – 2		Bielek
Computer Graphics	9	1 – 3		Kalinay, Štujber
Industrial and Engineering Construction	9	0 – 4		Turček

Renewal and Modernization of Buildings	10	2 – 2	Turček, Puškár
Fire Safety of Buildings	7	1 – 2	Mikolai
Design Studio IV.	7	0 – 5	Šebestová
Design Studio V.	8	0 – 5	Šebestová
Design Studio VI.	9	0 – 5	Szomolányiová
Design Studio VII.	10	0 – 5	Adamská
Computer-Aided Design	8	2-3	Kalinay, Jamnický
Internships	8		Držka
Special Architectural Design	9	2 – 2	Hraška
Building Defects and Reconstructions	9	2 – 2	Greško
Special Seminar I.			
Special Seminar II.	9	0 – 2	Szomolányiová
Building and Energy Urban	10	0 – 2	Adamská
Acoustics	10	2 – 1	Puškáš
Solar Energy Gains and Illumination of Buildings	10	2 – 1	Puškáš
Design of Architectural Structures	10	2 – 1	Antalová
Thermal Engineering of Buildings II.	9	2 – 1	Beťko, Chmúrny
Aerodynamics and Hydrodynamics	9	2 – 1	Bielek
Low-Energy Architecture			
Design of Architectural Structures	10	2 – 1	Hraška
Computer Building	10	2 – 1	Antalová
Simulation	9	1 – 2	Hraška, Janák
Urban and Building Acoustics	10	2 – 1	Puškáš
Fire Safety of Buildings	10	2 – 1	Mikolai, Olbřímek

### III.2 Postgraduate Study

Subjects	Semester	Hours per Semester	Lecturer
Alternative and Renewable Energy Sources	1	2	Bielek
Slovak Energy-Saving Programs	1	2	Chmúrny
Construction Energy Standards and Codes	1	4	Chmúrny
Terminology of the Energy Effectiveness of Buildings (English Translation)	1	texts only	Janák, Rabenseifer
Written Assignment Topics	1	1	Antalová
Theory of Low-Energy Housing	2	2	Bielek

Basements and Foundation Details from the Point of View of Energy Savings	2	2	Turček
Non-Transparent Building Envelope	2	2	Pušár
Transparent Building Envelope	2	2	Pušár
The Role of Flat Roofs in Building Energy Consumption	2	2	Oláh
Energy-Efficient Pitched Roofs	2	2	Szomolányiová
The Effect of Brickwork Moisture upon Increases in Heat Transmission Losses	2	2	Adamská
Heat Regeneration in Energy-Efficient Buildings	2	0,5	Hraška
Energy Features of Solar Radiation and Determining the Irradiation of Buildings by Sunshine	2	1	Pušár
Architectural Design of Houses from the Point of View of Energy Savings	2	2	Hykš
Durability of Materials and Construction from the Point of View of Energy Savings	2	1	Ohrablo

#### IV. RESEARCH TARGETS

The Department of Building Structures at the Faculty of Civil Engineering of the Slovak University of Technology is one of the leading Slovak facilities devoted to building research and development. It assists in the research of the Faculty of Civil Engineering, students, the building industry, the regulatory community and others interested in building and construction practice.

The mission statement of the DBS says: *“Identify, develop, and deploy sustainable and energy-efficient building system technologies by forming partnerships between university sources and industry for analysis, well-characterized experiments, technological development, and market outreach“.*

The scientific and research activity of the Department is aimed at the problems of thermal comfort, heat and humidity transfer through the walls and roofs of buildings and their joints, sound transmission in buildings, room and urban acoustics, the theory of daylighting and the solar energy of buildings, air infiltration and the effect of driven rain on walls and roofs of buildings and their joints, the total energy effectiveness of buildings, the durability of building materials, diagnoses, and building reconstruction.

**Main research areas covered by the Department of Building Structures at the present time:**

1. Climate Model - Slovak Test Reference Year for use in a dynamic simulation program for predicting building energy consumption
2. Precise new methods and models for natural ventilation analysis
3. Development of a dynamic simulation method for mathematical modelling of thermal building performance
4. Physical quantification of passive solar systems as components of solar architecture in a theory for developing low-energy houses
5. Design of a structural system with future parameters (year 2010):
  - optimisation of static criteria
  - optimisation of technology
  - application of energy-efficient construction elements
  - development of joint function systems with the inclusion of a high degree of know-how and technical facilities
6. Research on degrading factors which affect the durability and reliability of selected residential and commercial building structures
7. Research on the properties of structural materials
8. Development and research in system engineering
9. Analysis of comfort parameters - criteria for thermal engineering, energy balance and technical equipment of buildings
10. Analysis of the creation of acoustical criteria in the noise protection of buildings
11. Analysis of the creation of criteria for daylight design systems and artificial lighting in building interiors

**V. RESEARCH PROJECTS**

- VEGA 1/7119/20 – Theory, testing and structural design of transparent facades in the envelopes of both new and modernized ecological and low-energy buildings
- VEGA 1/7120/20 – Integrated simulation of energies and the indoor environment in buildings in the Slovak climate
- VEGA 1/7138/20 – Transparent structures, energy savings and quality of the indoor environment
- KEGA 1/8/99 – Energy efficient buildings and their ecological properties
- SLOV/BRIT 4 – Scientific cooperation in the implementation of EU Standards into relevant National Standards between UMIST Manchester and the Department of Building Structures at the Slovak University of Technology Bratislava funded by the British - Slovak Joint Research Programme between the British Council and the Slovak University of Technology
- MVTS 1 / 7138 / 20 – Collaboration of Austrian, Hungarian, German and Slovak institutions of higher education in the Field of the Redevelopment of Rural Areas

**VI. COOPERATION****VI.1 Cooperation in Slovakia**

1. Ministry of Building and Regional Development of the Slovak Republic, Bratislava
2. Ministry of the Environment of the Slovak Republic, Bratislava

3. Slovak Institute of Technical Standardization, Bratislava
4. TASUS, Bratislava
5. TU Košice
6. TU Zvolen
7. University of Agriculture, Nitra
8. VVUPS NOVA, Bratislava
9. Lignotesting, Bratislava
10. Nováky Chemical Works, Nováky
11. Alufinal, Žiar nad Hronom
12. Priemstav, Bratislava
13. Nitrasklo, Nitra
14. Drevina Turany, Turany
15. Matador, Púchov

## **VI.2 International Cooperation**

ČVUT Prague, Czech Republic  
VUT Brno, Czech Republic  
TU Budapest, Hungary  
TU Győr, Hungary  
TU Vienna, Austria  
KEB Berlin, Germany  
TU Stuttgart, Germany  
UMIST Manchester, United Kingdom  
University of Strathclyde, United Kingdom  
Eindhoven University of Technology, The Netherlands  
KU Leuven, Belgium  
MISI Moscow, Russia  
TU Kharcow, Ukraine  
CE Haifa, Israel  
Wolfen WIRN, Austria

### **VI.2.1 Visitors to the Department**

- Ing. M. Kalousek, Faculty of Civil Engineering VUT Brno, Czech Republic, 1 day
- Assoc. Prof. Dipl.-Ing. G. Konieczny, Konieczny Architekten, Stuttgart, Germany, 1 day
- Mr. J. Koshinar, B. Arch., Chartered Architect, Lymwise Pty. Ltd., Sydney, Australia, 1 week
- Univ. Prof. Dr.-techn. E. Panzhauser, Vienna University of Technology, Austria, 3 days
- Doc. Ing. J. Sedlák, PhD, Faculty of Civil Engineering VUT Brno, Czech Republic, 1 day

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

Ing. M. Bartko, study stay at the Tokyo Institute of Technology, Japan, 2 years  
Prof. Ing. J. Oláh, PhD, visit to NRCA Chicago, USA, 1 week  
Prof. Ing. J. Oláh, PhD, study visit to UMIST Manchester, UK, 2 weeks  
Ing. J. Olbřímek, PhD, visit to TU-VŠB Ostrava, Czech Republic, 3 days  
Dr.-techn. Ing. arch. R. Rabenseifer, study visit to UMIST Manchester, UK, 2 weeks  
Ing. M. Rychtáriková, study stay at KU Leuven, Belgium, 7 months  
Ing. Z. Straňák, study visit to UMIST Manchester, UK, 2 weeks

## **VII. THESES**

### **VII.1 Graduate Theses**

Every year, approximately 60 - 80 students are engaged in fulfilling the requirements of their dissertations. The supervisors of the diploma projects are the professors, associate professors and assistant professors of the Department.

The diploma theses cover:

- General project documentation for residential, public, cultural, sports, industrial and agricultural buildings and facilities
- Reconstruction of buildings
- Theoretical analysis and design of the envelope and interior construction of buildings

## **VIII. OTHER ACTIVITIES**

### **VIII.1 Special Lectures**

IT-based environmental simulation courses started under the EU – TEMPUS scheme as part of the Joint European Project 09909-95:

The project is aimed at developing and introducing building performance simulation courses that are integrated and highly interdisciplinary in their content and fully compatible with, and equivalent to, courses at EU universities. Furthermore, newly-developed courses have also been adopted at EU partner universities. The courses have been given at all the participating institutions since the summer term, 1997.

### **VIII.2 Commercial Activities for Firms and Institutions**

Thanks to its computer and laboratory equipment, the Department of Building Structures meets the highest quality standards for the tasks it performs, particularly in the area of the precise measurement and computer simulation of buildings. Among its most important clients are:

1. The Ministry of Building and Public Works of the Slovak Republic, Bratislava
2. The Ministry of the Environment of the Slovak Republic, Bratislava
3. The Slovak Institute of Technical Standardization, Bratislava
4. TASUS, Bratislava
5. VVUPS NOVA, Bratislava
6. Lignotesting, Bratislava
7. Chemical Works of Nováky, Nováky
8. Alufinal, Žiar nad Hronom
9. Priemstav, Bratislava
10. HUECK-Slovakia, Bratislava
11. Glaverbel Czech, Kryry, Czech Republic
12. Nitrasklo, Nitra
13. Drevina Turany, Turany
14. Matador, Púchov
15. Jančina Architecture Office, Bratislava
16. Závodný Architecture Office, Bratislava



## IX. PUBLICATIONS

### IX.1 Journals

- [1] BACIGALOVÁ, J.: New Materials and Materials for Floors. In: STAVBA, 2001, No. 10, pp. 42-43 (in Slovak)
- [2] BACIGALOVÁ, J.: Wooden and Laminate Floors. In: Môj dom 2001, Nos. 1-2, Appendix, Podlahy, pp. 155-159
- [3] BEŤKO, B.: Masonry Materials from the Point of View of the Resulting External Wall Properties of Family and Dwelling Houses. In: Eurostav, 2001, Nos. 3/5, pp. 18-21 (in Slovak)
- [4] BEŤKO, B.: Rigips Engineering Conference. In: Informácie z prostredia CAD, 2001, No. 8, p. 6 (in Slovak)
- [5] BEŤKO, B.: Standard Requirements for the Thermal Performance of Family House Sloping Roofs. In: Stavba, 2001, Nos. 7/8, pp. 75-79 (in Slovak)
- [6] BEŤKO, B.: Thermal Requirements for Swimming Centers. In.: Stavba, 2001, No. 5, pp. 30-32 (in Slovak)
- [7] BEŤKO, B.-BACIGALOVÁ, J.: A Thermal Performance Appraisal of a Dwelling Attic Roof Envelope. In: Stavba, 2001, No. 3, pp. 56-59 (in Slovak)
- [8] DRŽKA, M.: Ways to Remove Moisture from Masonry – Renovation Methods. In: Projekt a stavba, 2001, No. 4, pp. 3-4 (in Slovak)
- [9] DRŽKA, M.: Ways to Remove Moisture from Masonry. In: Projekt a stavba, 2001, No. 2, pp. 29-30 (in Slovak)
- [10] DRŽKA, M.-MIKLÓŠIOVÁ, T.: Stairs: Technical Parameters for Stairways and Landings. In: Projekt a stavba, 2001, No. 5, pp. 5-7 (in Slovak)
- [11] DRŽKA, M.-MIKLÓŠIOVÁ, T.: Stairs. In: Projekt a stavba, 2001, No. 5, pp. 5-7 (in Slovak)
- [12] FUČILA, J.: Glazing Systems of Transparent Structures. In: Stavební obzor, 2001, No. 6, pp. 171-175 (in Slovak)
- [13] FUČILA, J.: Kaufland Shopping Centre in Trnava. In.: Stavba, 2001, No. 4, pp. 33-35 (in Slovak)
- [14] GREŠKO, D.: Materials for the Envelopes of Family Houses. In: Stavba, 2001, Nos. 7-8, pp. 46-48 (in Slovak)
- [15] GREŠKO, D.: Stairs. In: Stavba, 2001, No. 12 (in Slovak)
- [16] GREŠKO, D.: The Warmth of a Home Fireplace. In: Stavba, 2001, No. 11, pp. 57-59 (in Slovak)
- [17] GRZNÁR, M.: New Materials for New Partitions. In: Doma, 2001, No. 4, p. 25
- [18] GRZNÁR, M.: The Realm of Cleanliness. In: Doma, 2001, No. 3, pp. 22-28 (in Slovak)
- [19] HRAŠKA, J.: Daylighting of Exhibition Areas. In: Stavba, 2001, No. 6, pp. 4-9 (in Slovak)
- [20] HRAŠKA, J.: What are the Minimum Obligatory Distances Between Buildings in Slovakia? In: Projekt a stavba, 2001, No. 2, pp. 4-9 (in Slovak)
- [21] HRAŠKA, J.: Low-Energy Residential Buildings. In: Stavba, 2001, Nos. 7-8, pp. 57-59 (in Slovak)
- [22] HRAŠKA, J.: Multivalent Building Envelopes. In: Projekt a stavba, 2001, No. 6, pp. 6-9 (in Slovak)
- [23] HRAŠKA, J.: Explicit Rules for the Location of Buildings. In: Stavba, 2001, No. 2, pp. 53-57 (in Slovak)
- [24] CHMÚRNY I.-BUDAY P.: Linear Thermal Bridges in Buildings. In: PROJEKT A STAVBA, 2001, No.1, pp. 10-11 (in Slovak)

- [25] CHMÚRNÝ, I.: Buildings with Low Energy Demands and Environmental Connections. In: Stavba, 2001, No. 10, pp. 57-59 (in Slovak)
- [26] CHMÚRNÝ, I.: New Thermal Standards in the STN System. In: TZB Haustechnik, 2001, No. 4, pp. 43-44 (in Slovak)
- [27] CHMÚRNÝ, I.: STN 73 0549: Preparation of Revision. In: Tepelná ochrana budov, 2001, No. 4, pp. 16-18 (in Slovak)
- [28] CHMÚRNÝ, I.: Technical Standardization in Thermal Protection of Buildings. In: Normalizácia, 2001, Nos. 3/4, pp. 17-20 (in Slovak)
- [29] CHMÚRNÝ, I.: Thermal Appraisal of Danger of Mould Formation. In: Tepelná ochrana budov, 2001, No. 1, pp. 5-7 (in Slovak)
- [30] CHMÚRNÝ, I.: Thermal Requirements for the Prevention of Mould. In: Projekt a stavba, 2001, No. 3, pp. 5-6 (in Slovak)
- [31] CHMÚRNÝ, I.: Condensation on Window Glazing. In: Eurostav, 2001, No. 7, Appendix, pp. 16 – 17 (in Slovak)
- [32] CHMÚRNÝ, I.-BUDAJ, P.: Linear Thermal Bridges of Buildings. In: Projekt a stavba, 2001, No. 1, pp. 10-11 (in Slovak)
- [33] JAKEŠ, E.: Glazed Brick-Based Masonry and Its Application to Flat Roof Structures. In: Strechy, fasády, izolácie, 2001, No. 5, pp. 12-14 (in Slovak)
- [34] KONIECZNY, G.-RABENSEIFER, R.: Developmental Planning in the Countryside from the Viewpoint of Energy Savings and Building Modernization. In: Stavba, 2001, No. 9, pp. 24-26 (in Slovak)
- [35] KURUCOVÁ, S.: Windows in Relation to the Facades of Folk Architecture in Southern Slovakia. In: Stavba, 2001, No. 1, pp. 47-49 (in Slovak)
- [36] MENĎAN, R.-VAVROVIČ, B.: Renovation of Family Houses and Heating Energy Savings. In: Stavba, 2001, Nos. 7 – 8, pp. 60-62 (in Slovak)
- [37] MIKOLAI, I.: Permitted Evacuation Time. In: ARPOS, 2001, No. 1, p. 24 (in Slovak)
- [38] OLÁH, J.: Flat Roofs and the FATRAFOL-S System. In: Střechy, fasády, izolace, 2001, No. 6, pp. 16-19 (in Czech)
- [39] OLÁH, J.: History and Presence of Pitched and Flat Roofs. In: Střechy, fasády, izolace, 2001, No. 11, pp. 30-32 (in Czech)
- [40] OLÁH, J.: History and Presence of Pitched and Flat Roofs. In: Střechy, fasády, izolace, 2001, No. 12, pp. 20-23 (in Czech)
- [41] OLÁH, J.: Lessons from a Roof Conference in the USA. In: Střechy, fasády, izolace, 2001, No. 5, pp. 28-29 (in Czech)
- [42] OLÁH, J.: Roofing. In: Střechy, fasády, izolace, 2001, No. 1, pp. 20-21 (in Czech)
- [43] OLÁH, J.: The 2001 Conference on Roofs in the Best Light. In: Střechy, fasády, izolace, 2001, No. 12, p. 62 (in Czech)
- [44] OLÁH, J.: The Roof 2001 Symposium and Exhibition. In: Eurostav, 2001, No. 11, p. 57 (in Slovak)
- [45] PUŠKÁR, A.: Windows for the Third Millenium. In: EUROSTAV, 2001, No. 11, Appendix, pp. 4-5 (in Slovak)
- [46] SZOMOLÁNYIOVÁ, K.: Factory Gates. In: Stavba, 2001, No. 10, pp. 34-37 (in Slovak)
- [47] SZOMOLÁNYIOVÁ, K.: Reducing the Energy Losses of Swimming Pools. In: Stavba, 2001, Nos. 7-8, pp. 64-66 (in Slovak)
- [48] SZOMOLÁNYIOVÁ, K.-BEHINA, M.: Lightweight Building Envelopes from the Viewpoint of Acoustics. In: Stavba, 2001, No. 4, pp. 38-40 (in Slovak)
- [49] TOMAŠOVIČ, P.: Acoustics of Swimming Centers. In: Stavba, 2001, No. 5, pp. 33-35 (in Slovak)
- [50] TOMAŠOVIČ, P.: Reducing Noise in Hospital Buildings with New Materials. In: Stavebníctvo, 2001, pp. 107 – 110 (in Slovak)

- [51] TOMAŠOVIČ, P.: Room Acoustics in Railway Buildings. In: University of Žilina Studies, 2001, No. 24, pp. 133-137
- [52] TOMAŠOVIČ, P.-FUČILA, J.: Physical and Thermal Properties of Windows. In: Stavebníctvo, 2001, pp. 111-114 (in Slovak)
- [53] TOMAŠOVIČ, P.-JANÁK, M.: Acoustics of Cinemas and Simulation of Acoustic Comfort. In: Stavba, 2001, No. 6, pp. 39 – 42 (in Slovak)
- [54] TOMAŠOVIČ, P.-PERNIŠOVÁ, A.: Vertical Bearing Systems and Treatment of Their Surfaces. In: Stavba, 2001, No. 9, pp. 39-42
- [55] ZAJAC, J.: Acoustic Properties of Transparent Parts of a Building Envelope. In: ASB, 2000, No. 4, pp. 50-51 (in Slovak)
- [56] ZAJAC, J.: Application of Coating Systems in Appraisal Procedures: II Part. In: Znalectvo, 2000, No. 3, pp. 52-55 (in Slovak)
- [57] ZAJAC, J.: Fitting an External Ceramic Facade. In: Znalectvo, 2001, No. 3, pp. 2-3 (in Slovak)
- [58] ZAJAC, J.: Damage Evaluation for Insurance Claim Purposes. In: Znalectvo, 2001, No. 1, pp. 55-56 (in Slovak)
- [59] ZAJAC, J.: External Environment Acoustics. In: Stavba, 2001, No. 1, pp. 38-39 (in Slovak)
- [60] ZAJAC, J.: Forensic Procedure in Determining Damage Types. In: Znalectvo, 2000, No. 3, pp. 61-64 (in Slovak)
- [61] ZAJAC, J.: Forensic Procedure in Damage Appraisal. In: Dom a byt, 2001, No. 6, pp. 10-11 (in Slovak)
- [62] ZAJAC, J.: Interaction Between a Structure and Its Weight. In: Studies of Žilina University, 2001, No. 24, pp. 149-155
- [63] ZAJAC, J.: Noise Protection of Residential Buildings. In: Stavba, 2001, Nos. 7/8, pp. 40-41 (in Slovak)
- [64] ZAJAC, J.: Proper Design of the Bramac Roofing System. In: Znalectvo, 2001, No. 3, pp. 77-79 (in Slovak)
- [65] ZAJAC, J.: Results of an Experimental Verification of the Acoustic Properties of Windows. In: Znalectvo, 2001, No. 3, pp. 82-84 (in Slovak)
- [66] ZAJAC, J.: An Apartment's Real Value According to Its Location in Bratislava. In: Znalectvo, 2001, No. 1, pp. 13-15 (in Slovak)
- [67] ZAJAC, J.: External Noise Insulation of Dwellings. In: ASB, 2000, No. 5, pp. 34-35 (in Slovak)
- [68] ZAJAC, J.: The Effect of Glass upon the Airborne Sound Insulation of Windows. In: Acoustic Archives, 2000, No. 25, Warsaw, pp. 387-392
- [69] ŽILINSKÝ, J.: The Renovation of Windows. In: Slovak Journal of Civil Engineering, 2001, Nos. 1-2, pp.10-13
- [70] ŽILINSKÝ, J.: Reasons for Retrofitting. In: DOM a BYT, 2001, No. 10, pp. 6-8 (in Slovak)

## IX.2 Books and Textbooks

- [1] GAŠPARÍK, J.-HRAŠKA, J., et al.: Practical Handbook of Technical Requirements for Building with an Explanation of Building and Technical Regulations and Standards. Bratislava, Dashofer Verlag 2001 (in Slovak)
- [2] HANZALOVÁ, L.-ŠILAROVÁ, Š.-OLÁH, J., et al.: Flat Roofs: Design and Renovation. Prague, ČVUT Prague 2001 (in Czech)
- [3] HRAŠKA, J.: Low-Energy Houses. A Textbook for Distance Learning on Low Temperature Heating Systems, Module G, KTZB SvF STU 2001 (in Slovak)

- [4] HRAŠKA, J.: Passive Solar Energy Systems and Their Simulation. A Textbook for Distance Learning on Low Temperature Heating Systems and Renewable Energy Sources, Module H, Bratislava, KTZB SvF STU 2001 (in Slovak)
- [5] HRAŠKA, J.: Simulation of Operation of a Low-Energy House. A Textbook for Distance Learning on Low Temperature Heating Systems and Renewable Energy Sources, Module G, Bratislava, KTZB SvF STU 2001 (in Slovak)
- [6] CHMÚRNÝ, I: Energy Balance of Buildings. Module G3, Low Temperature Heating Systems, Bratislava, KTZB SvF STU 2001 (in Slovak)
- [7] CHMÚRNÝ, I: Thermal Protection of Buildings for NTV. Module G2: Low Temperature Heating Systems, Bratislava, KTZB SvF STU 2001 (in Slovak)
- [8] CHMÚRNÝ, I: Solar Heating Techniques. Module H6, Renewable Energy Sources, Bratislava, KTZB SvF STU 2001 (in Slovak)
- [9] LULKOVIČOVÁ, O.-LEIMBERGER, P.-TAKÁCS, J.-ŽILINSKÝ, J.: Heating of a Family House. Bratislava, Antar Ltd 2001 (in Slovak)
- [10] MENDÁN, R.-BEŤKO, B.: A Software Set for Thermal Calculations Using a SHARP PC 1403H Pocket Calculator– Programme Manual. Holíč, RIVECO 2001 (in Slovak)
- [11] MIKOLAI, I.: Actual Problems of Fire Safety in Buildings. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [12] MIKOLAI, I.: Fire Safety of Buildings. Building Structures. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [13] MIKOLAI, I.: Networking and Logical Connections in the Fire Safety of Buildings. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [14] MIKOLAI, I.: Roof Attics and Built-In Structures. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [15] MIKOLAI, I.-OLBŘÍMEK, J.: Retrofitting Systems. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [16] MIKOLAI, I.-OLBŘÍMEK, J.: Retrofitting Systems. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [17] NEVICKÝ, M.-OLBŘÍMEK, J., et al.: Preparation, Management and Organization of Building Sites. Bratislava, Dashofer Verlag 2001 (in Slovak)
- [18] OLÁH, J.: Past and Present of Pitched and Flat Roofs. Textbook, STU 2001 (in Slovak)
- [19] OLÁH, J.-MIKULÁŠ, M.: Roofing and Supplementary Roof Constructions. Bratislava, JAGA 2001 (in Slovak)
- [20] OLBŘÍMEK, J.: European Standards in Slovak Technical Standards, Eurocodes and International Collaboration on Standardization. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [21] OLBŘÍMEK, J.: Evacuation of Disabled Persons According to the New STN 92 0201-3. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [22] OLBŘÍMEK, J.: Fire Safety of Buildings and Technical Equipment of Fire and Rescue Departments. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)

- [23] OLBRÍMEK, J.: Fire Safety of Buildings. General Regulations. Part 3: Escape Corridors and Evacuation of Persons. Proceedings and Postgraduate Distance Learning Course, Module E: Fire Safety of Buildings – Legislation and Standardization, Bratislava, SvF STU 2001 (in Slovak)
- [24] PUŠKÁR, A.-SZOMOLÁNYIOVÁ, K.-FUČILA, J.: Building Structures V. – Building Envelopes and Windows. Textbook, Bratislava, STU 2001 (in Slovak)
- [25] TOMAŠOVIČ, P.-MAGIC, V.: Ceiling Constructions. Bratislava, Eurostav Ltd. 2001 (in Slovak)
- [26] ZAJAC, J.: Building Structures III: Panel, Pre-Cast Concrete and Hall Construction Systems. Textbook, amended and revised ed. Bratislava, STU 2001 (in Slovak)

### IX.3 Conferences

- [1] BACIGALOVÁ, J.: Analysis of Stables Based on Optimisation of Internal Environment and Minimalisation of Energy Loss. In: Proceedings of International Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001 (in Slovak)
- [2] BACIGALOVÁ, J.: Renovation of a Single Layer Flat Roof at Jakubovo Square in Bratislava. In: Proceedings of International STRECHY 2001 Symposium, Bratislava, Slovakia, 2001, pp. 76-78 (in Slovak)
- [3] BEŤKO, B.: Building and Physical Problems of Large Hall Roofs. In.: Proceedings of International Conference on Roof Renovation and Repair, Košice University of Technology, Slovakia, 2001, pp. 129 – 134 (in Slovak)
- [4] BEŤKO, B.: Defects of Exterior Envelope Surfaces Made of Lightweight Concrete. In: Proceedings of International Conference on Building Defects, Their Removal and Damp Building Renovation, DT Bratislava, Slovakia, 2001, pp. 39 – 43 (in Slovak)
- [5] BEŤKO, B.: Environmentally Friendly Building Material: Durisol and Its Thermal Features. In: University of Žilina Civil Engineering Series, Vol. 24, Žilina, Slovakia, 2001, pp. 3-7
- [6] BEŤKO, B.: Indoor Climate in a Wooden Stable. In: Proceedings of 3<sup>rd</sup> International Conference on the Indoor Climate in Agricultural Buildings, Nitra, Slovakia, 2001, pp. 17-22 (in Slovak)
- [7] BEŤKO, B.: Pitched Roofs of Family Houses – Building and Physical Problems. In: Proceedings of International Roof 2001 Symposium, Bratislava, Slovakia, pp. 11 – 15 (in Slovak)
- [8] BEŤKO, B.: Retrofitting Buildings – Requirements, Systems, Constructions. In: Proceedings of International Conference on Railway Buildings, University of Žilina, Slovakia, 2001, pp. 31 – 39 (in Slovak)
- [9] BEŤKO, B.: Analysis of Water Vapour Condensation on the Interior Surfaces of Windows. In: Proceedings of International Scientific Conference on Building and Energy, Podbanské, Slovakia, 2001, pp. 23-28 (in Slovak)
- [10] BEŤKO, B.: Thermal and Technical Problems of Pitched Roofs of Single Family Houses. In: Proceedings of 3<sup>rd</sup> International Conference on Thermal Protection of Buildings 2001 – Energy Efficiency of Buildings, High Tatras, Slovakia, 2001, pp. 140 –143 (in Slovak)
- [11] BEŤKO, B.: Thermal and Technical Properties of Modern Masonry Materials. In: Proceedings of 3<sup>rd</sup> International Conference on Building Materials and Testing, Štrbské Pleso, Slovakia, 2001, pp. 67 – 69 (in Slovak)
- [12] BEŤKO, B.: Thermal Properties of Wood Constructions. In: Proceedings of International Conference on Wood – Raw Material in Architecture and Buildings of the 21<sup>st</sup> Century, Smolenice, Slovakia, 2001, pp. 50-52 (in Slovak)

- [13] BIELEK, B. - BIELEK, M. - SZABÓ, D.: Aerodynamic Coefficients of Local Resistance in the Buffer Space of the Double Transparent Facade of the Slovak National Bank Building in Bratislava – Experimental Research. In: Proceedings of the 1<sup>st</sup> Congress of the Departments of Building Structures on Globalization and Us, Dunajská Streda, Slovakia, 2001, Part III, pp. 17-22 (in Slovak)
- [14] BIELEK, B. - BIELEK, M.: Test Reference Year Modification for the Design of the Double Transparent Facade of the Slovak National Bank Building. In: Proceedings of International Conference on Sustainable Building & Solar Energy 2001, Brno University of Technology, Czech Republic, 2001, pp. 56-59
- [15] BIELEK, B.: Renovation of the Roof of the Production Halls of Sauer Danfoss, Ltd. in Považská Bystrica. In: Proceedings of International Roof 2001 Symposium, Bratislava, Slovakia, 2001, pp. 81-85 (in Slovak)
- [16] BIELEK, M. - BIELEK, B. - SZABÓ, D.: The Climate Chamber of the Scientific Laboratory of Building Physics at the Faculty of Civil Engineering of STU from the Viewpoint of STN EN ISO 8990. In: Proceedings of 3rd International Conference on Building Materials and Testing 2001, Bratislava, Slovakia, 2001, pp. 178-180 (in Slovak)
- [17] BIELEK, M. - BIELEK, B.: Critical Temperature, Aerodynamics and Energy Scheme of a Double Transparent Facade with an Open Circuit in Calm Conditions. In: Proceedings of International Scientific Conference on Building and Energy IV, Košice, Slovakia, 2001, pp. 35-40 (in Slovak)
- [18] BIELEK, M. - BIELEK, B.: Double Facade – a New Standard of Modern Facade Design for Buildings. In: Proceedings of 2<sup>nd</sup> International Scientific Conference on Quality and Reliability in the Building Industry, Košice University of Technology, Slovakia, 2001, pp. 45-50
- [19] BIELEK, M. - BIELEK, B.: Glass in New Facade Design for Intelligent Buildings. In: Proceedings of 3rd International Conference on Building Materials and Testing 2001, Bratislava, Slovakia, 2001, pp. 81-83 (in Slovak)
- [20] BIELEK, M. - BIELEK, B.: Experimental Investigation of the Physical Properties of the Double Transparent Energy Climate Facade of the Slovak National Bank Building. In: Proceedings of International Conference on Sustainable Building & Solar Energy 2001, Brno University of Technology, Czech Republic, 2001, pp. 37-39
- [21] BIELEK, M. - BIELEK, B.: Temperature, Aerodynamics and Energy Scheme of a Double Transparent Facade with an Open Circuit in Windy Conditions. In: Proceedings of International Conference on Building and Energy IV, Košice, Slovakia, 2001, pp. 29-34 (in Slovak)
- [22] BIELEK, M. - BIELEK, B.: Transparent Roofs and Their Characteristics. In: Proceedings of International Conference on Roof Renovation and Repair, Košice University of Technology, Slovakia, 2001, pp. 29-32 (in Slovak)
- [23] BIELEK, M. - PALKO, M.: New Software for Temperature, Aerodynamics and Energy Scheme of a Double Transparent Facade with an Open Circuit. In: Proceedings of International Conference on Building and Energy IV, Košice, Slovakia, 2001, pp. 41-44 (in Slovak)
- [24] BIELEK, M.: Roof Renovation of the Sports Arena in Považská Bystrica. In: Proceedings of International Roof 2001 Symposium, Bratislava, Slovakia, 2001, pp. 44-49 (in Slovak)
- [25] BIELEK, M.-BIELEK, B.: Can a Window in the Construction of Contemporary Residential Buildings be a Source of Defects? In: Proceedings of International Conference on Building Defects, Their Removal and Damp Building Renovation, DT Bratislava, Slovakia, 2001, pp. 55-62 (in Slovak)
- [26] BIELEK, M.-BIELEK, B.: Interaction between Wood and Highly Effective Insulators in Envelopes of Woodframe Buildings. In: Proceedings of International Conference on Wood

- Raw Material in Architecture and Building of the 21<sup>st</sup> Century, Smolenice, Slovakia, 2001, pp. 42-45 (in Slovak)
- [27] BIELEK, M.-BIELEK, B.: Wood-Based Window Frames. In: Proceedings of International Conference on Wood – Raw Material in Architecture and Building of the 21<sup>st</sup> Century, Smolenice, Slovakia, 2001, pp. 38-41 (in Slovak)
- [28] ČERMÁK, O.-SZÉKYOVÁ, M.-OLBŘÍMEK, J.: Technical Requirements for the Storage of Hazardous Waste. In: Proceedings of International TOP 2001 Conference, Častá Papiernička, Slovakia, 2001, pp. 323-328 (in Slovak)
- [29] DRŽKA, M.: Defects of Residential Buildings in Rural Areas Caused by Dampness and Methods for Their Renovation. In: Proceedings of International Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 19-24 (in Slovak)
- [30] FUČILA, J. - JANÁK, M.: Simulation of Airflow Between Zones. In: Proceedings of 4<sup>th</sup> International Conference on Indoor Climate of Buildings 2001, Štrbské Pleso, Slovakia, 2001, pp. 371 – 378
- [31] GAŠPAROVIČOVÁ, V.: Daylighting Requirements for Residential Developments in Rural Areas. In: Proceedings of International Scientific Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 25 – 29 (in Slovakia)
- [32] GAŠPAROVIČOVÁ, V.: Reverberation Time, Measurement and Simulation. In: Proceedings of 6<sup>th</sup> International Acoustic Seminar on Noise and Vibrations in Practice, Kočovce, Slovakia, 2001, pp. 69-74 (in Slovak)
- [33] GIECIOVÁ, M.-DRŽKA, M.-MIKLÓSIOVÁ, T.: Contemporary Opportunities for the Renovation of Damp Masonry. In: Proceedings of International Conference on Building Defects, Their Removal and Damp Building Renovation, DT Bratislava, Slovakia, 2001, pp. 12-15 (in Slovak)
- [34] GREŠKO, D.: Building Envelope Defects – Residential and Office Buildings. In: Proceedings of International Conference on Building Defects, Their Removal and Damp Building Renovation, Bratislava, Slovakia, 2001, pp. 35-38 (in Slovak)
- [35] GREŠKO, D.: Construction and Renovation of Agricultural Buildings – Building Envelopes. In: Proceedings of International Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 16-18 (in Slovak)
- [36] GREŠKO, D.-SINICYN, R.: Calculation of the Width of the Critical Vegetation Layer and a Computer Simulation of a Mould Layer for Purposes of Flat Roof Renovation. In: Proceedings of International Scientific Conference on Building and Energy, Podbanské, Slovakia, 2001, pp. 100-104 (in Slovak)
- [37] GREŠKO, D.-SINICYN, R.: The Renovation of Vegetation Flat Roofs from the Viewpoint of Thermal Comfort. In: Proceedings of International Scientific Conference on Roof Repair and Renovation, Podbanské, Slovakia, 2001, pp. 47 - 50 (in Slovak)
- [38] HERMANSKÁ, B.: Simulation of the Impact of Key Parameters on Overheating of Indoor Air. In: Proceedings of 4<sup>th</sup> International “Indoor Climate of Buildings 2001” Conference, Štrbské Pleso, Slovakia, 2001, pp. 379-386
- [39] HERMANSKÁ, B.: The Impact of the Thermal Capacity of Internal Building Constructions on Overheating of Indoor Air. In: Proceedings of International Conference on Sustainable Building & Solar Energy 2001, Brno, Czech Republic, 2001, pp. 184-187.
- [40] HRAŠKA, J. - STRAŇÁK, Z.: Integrated Assessment of Daylighting, Thermal Comfort and Energy Consumption in Slovak Schools. In: Proceedings of International Conference on Sustainable Building & Solar Energy 2001, Brno University of Technology, Czech Republic, 2001, pp. 130 - 133
- [41] HRAŠKA, J., - STRAŇÁK, Z.: Integrated Assessment of Daylighting, Thermal Comfort and Energy Consumption in Slovak Schools. In: Proceedings of International Conference on Sustainable Building & Solar Energy 2001, Brno, Czech Republic, 2001, pp. 130 – 133

- [42] HRAŠKA, J.: Computer Simulation and Energy-Efficient Ecological Buildings. In: Proceedings of 1<sup>st</sup> Conference of Departments of Building Structures on Globalization and Us, Dunajská Streda, Slovakia, 2001, pp. 122-125 (in Slovak)
- [43] HRAŠKA, J.: Problems of Solar Access Rights in Slovakia. In: Proceedings of International "Indoor Climate of Buildings 2001" Conference, Štrbské Pleso, Slovakia, 2001, pp. 37 – 44
- [44] HRAŠKA, J.: Solar Access Rights in Slovakia. In: Proceedings of International PLEA 2001 Conference on Passive and Low-Energy Architecture, Florianópolis, Brazil, 2001
- [45] CHMÚRNY, I.: Building Evaluation Based on Heat Consumption Standard STN 73 0540. In: Proceedings of International Conference on Sustainable Building and Solar Energy, Brno University of Technology, Czech Republic, 2001, pp. 87-89
- [46] CHMÚRNY, I.: Calculation of Thermal Demands According to Revised STN 73 0549. In: Proceedings of International Conference on Building and Energy, Podbanské, Slovakia, 2001, pp. 81-84 (in Slovak)
- [47] CHMÚRNY, I.: The Aim and Role of European Standards Including Eurocodes and Product Standards. In: Proceedings of Seminar on Application of Technical Standards and Building Regulations, Bratislava, Slovakia, 2000, pp. 32-36 (in Slovak)
- [48] CHMÚRNY, I.: Revision of STN 73 0549. In: Proceedings of 3<sup>rd</sup> International Conference on the Thermal Protection of Buildings, DT Bratislava, Slovakia, pp. 28-32 (in Slovak)
- [49] CHMÚRNY, I.: Testing the Thermal Protection of a Building Using Calculation Methods in the Revised STN 73 0540. In: Proceedings of 4<sup>th</sup> International "Indoor Climate of Buildings 2001" Conference, Štrbské Pleso, Slovakia, 2001, pp. 123-126
- [50] CHMÚRNY, I.: The Effect of Air Change upon Humidity and the Risk of Mould. In: Proceedings of 25<sup>th</sup> International Scientific Conference of the Departments of Building Structures from the Slovak and Czech Faculties of Civil Engineering, Znojmo, Czech Republic, 2001, pp. 92-93 (in Slovak)
- [51] CHMÚRNY, I.: The Risk of Mould and Its Assessment. In: Proceedings of International Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 43-46 (in Slovak)
- [52] CHMÚRNY, I.: The Risk of Mould on the Surfaces of Thermal Bridges. In: Proceedings of International Conference on Building Defects, Their Removal and Damps Building Renovation, Bratislava, Slovakia, 2001, pp. 44 - 48 (in Slovak)
- [53] CHMÚRNY, I.: Thermal and Technical Properties of Windows According to EN ISO 10077-1. In: Proceedings of Seminar on Thermal Protection of Buildings 2001 - Transparent Envelope Elements and Indoor Climates, Bratislava, Slovakia, 2001, pp. 7-10 (in Slovak)
- [54] JAKEŠ, E.: Glazed Brick-Based Masonry in the Renovation of Agricultural Buildings. In: Proceedings of International Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 56-58 (in Slovak)
- [55] JAMNICKÝ M.-HERMANSKÁ, B.: Visualization – A New Method for Simulating Daylighting Problems. In: Proceedings of 4<sup>th</sup> International "Indoor Climate of Buildings 2001" Conference, Štrbské Pleso, Slovakia, 2001, pp. 387-390
- [56] JANÁK, M. - FUČILA, J. - ŠTRIGNER, R.: How Good Does It Get? - A Computer Simulation of Natural Ventilation. In: Proceedings of International Conference on Sustainable Building & Solar Energy 2001, Brno University of Technology, Czech Republic, 2001, pp. 118 - 120
- [57] JANÁK, M.: Current State in Modelling and Computer Simulation of the Indoor Climate of a Building. In: Proceedings of International "Indoor Climate of Buildings 2001" Conference, Štrbské Pleso, Slovakia, 2001, pp. 349 – 358



- [58] JANÁK, M.-FUČILA, J.-ŠTRIGNER, R.: Natural Ventilation of Buildings. In: Proceedings of International Conference on Building and Energy, Podbanské, Slovakia, 2001, pp. 89-94 (in Slovak)
- [59] JANÁK, M.-FUČILA, J.-ŠTRIGNER, R.: Natural Ventilation of Buildings – A Real Alternative or Impossible Dream. In: Proceedings of International Scientific Conference on Building and Energy, Podbanské, Slovakia, 2001, pp. 89-94 (in Slovak)
- [60] KONIECZNY, G.-RABENSEIFER, R.: Optimal Apartment Size from the Viewpoint of Energy Demand. In: Proceedings of ForArch Seminar on Architectural, Technical and Economic Aspects of Residential Building Development, Slovakia, pp. 18 – 26 (in German)
- [61] KOPČÁK, P.: Water Vapour Diffusion Through the Coating of Coolers and Freezing Plants. In: Proceedings of 3<sup>rd</sup> Postgraduate Research Seminar, Brno University of Technology, Czech Republic, 2001, pp. 85-88 (in Slovak)
- [62] KURUCOVÁ, S.: The Effect of Degrees of Moisture and Salt upon the Heat Transmission Coefficient of Brick Masonry. In: Proceedings of 3<sup>rd</sup> Postgraduate Research Seminar, Brno, Czech Republic, 2001, pp. 101-104 (in Slovak)
- [63] MENĎAN, R.-TURČEK, I.: Renovation of a Family House and Energy Savings. In: Proceedings of International Seminar on Architectural and Urban Aspects of Rural Development, Bratislava, Slovakia, 2001, pp.130-134 (in Slovak)
- [64] MINAROVIČOVÁ, K.-ANTALOVÁ, L.: The Effect of Material Composition upon the Functionality of Doors. In: Proceedings of Conference on Building Materials and Testing, High Tatras, Slovakia, 2001, pp. 87-88 (in Slovak)
- [65] OLÁH, J.: Comparison of Asphalt and Foil Waterproofing of Roofs. In: Proceedings of International Roof 2001 Conference, Prague, Czech Republic, 2001, pp. 90-98 (in Slovak)
- [66] OLÁH, J.: Examples of the Renovation of Roofs over Demanding Indoor Climates. In: Proceedings of International Roof 2001 Symposium, Bratislava, Slovakia, 2001, pp. 50-56 (in Slovak)
- [67] OLÁH, J.: Polystyrene Foam Behaviour in Flat Roofs. In: Proceedings of International Scientific Conference on Building and Energy, Podbanské, Slovakia, 2001, pp. 9-12 (in Slovak)
- [68] OLÁH, J.: Lessons from Roof Conference in the USA. In: Proceedings of International Roof 2001 Symposium, Bratislava, Slovakia, 2001, pp. 171-174 (in Slovak)
- [69] OLÁH, J.: An Answer to Waterproofing Problems of Flat Roofs. In: Proceedings of 1<sup>st</sup> Congress of the Departments of Building Structures on Globalization and Us, Dunajská Streda, Slovakia, 2001, pp. 19-24 (in Slovak)
- [70] OLÁH, J.-TOKÁR, N.: Contribution to Solving Problems of Pitched Roofs Above Attic Dwellings. In: Proceedings of International Scientific Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 37-42 (in Slovakia)
- [71] OLBŘÍMEK, J.: Harmonization of STN 73 0873: Fire Safety of Buildings with the EN 671-1 and EN 671-2 Standards: Fire Prevention Water Pipes. In: Proceedings of 6<sup>th</sup> International SANHYGA 2001 Conference, Piešťany, Slovakia, 2001, pp. 9-16 (in Slovak)
- [72] OLBŘÍMEK, J.: Architectural Design from the Viewpoint of the Evacuation of Persons. In: Proceedings of 4<sup>th</sup> International FIRECO 2001 Conference, Trenčín, Slovakia, 2001, pp. 39-42 (in Slovak)
- [73] OLBŘÍMEK, J., MIKOLAI, I.: Contemporary Requirements for Installations in Apartment Buildings from the Viewpoint of Fire Safety. In: Proceedings of 6<sup>th</sup> International SANHYGA 2001 Conference, Piešťany, Slovakia, 2001, pp. 27-30 (in Slovak)

- [74] PANZHAUSER, E. - RABENSEIFER, R.: Declaration of Ecological Properties of Buildings. In: Proceedings of First International Conference of Postgraduate Research in the Built and Human Environment, University of Salford, England, 2001, pp. 438 - 445
- [75] PERNIŠOVÁ, A.: Experimental Measurements of the Acoustic Quality of Classrooms. In: Proceedings of 6<sup>th</sup> International Acoustics Colloquium, Zvolen, Slovakia, pp. 39-40 (in Slovak)
- [76] PUŠKÁR, A.: The Effect of Transparent Building Envelopes upon Indoor Thermal Comfort. In: Proceedings of the Thermal Protection of Buildings 2001 Seminar, Banská Bystrica, Slovakia, 2001 (in Slovak)
- [77] PUŠKÁR, A.: The Effect of Windows upon the Energy Demand of Buildings. In: Proceedings of International Scientific Conference on Building and Energy, Podbanské, Slovakia, 2001, pp. 199-201 (in Slovak)
- [78] PUŠKÁR, A.: A Window as a Part of a Building Envelope. In: Proceedings of International Conference on Building Envelopes and Architectural Elements – Yesterday and Today, Coneco, Bratislava, Slovakia, 2001, pp. 53-56 (in Slovak)
- [79] PUŠKÁR, A.: A Conservatory as a Part of a Family House in Rural Areas. In: Proceedings of International Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 33-36 (in Slovak)
- [80] PUŠKÁR, A.-FUČILA, J.: A Conservatory as a Part of Living Space. In: Proceedings of Symposium on Progressive Constructions in Architecture, Dunajská Streda, Slovakia, 2001, pp. IV.1-IV.6 (in Slovak)
- [81] PUŠKÁR, A.-SELEP, J.: Radon in Residential Buildings. In: Proceedings of 25<sup>th</sup> International Scientific Conference of the Departments of Building Structures from the Slovak and Czech Faculties of Civil Engineering, Znojmo, Czech Republic, 2001, pp. 112-113 (in Slovak)
- [82] PUŠKÁR, A.-SZABO, D.-ŠEBESTOVÁ, V.: Defects of PVC-Based Windows. In: Proceedings of International Conference on Building Defects, Their Removal and Moist Building Renovation, Bratislava, Slovakia, 2001, pp. 63-66 (in Slovak)
- [83] ŠTRIGNER, R.: Computer Simulation of Ventilated Double-Skin Facade of the Municipal Library in Brno. In: Proceedings of 4<sup>th</sup> International “Indoor Climate of Buildings 2001” Conference, Štrbské Pleso, Slovakia, 2001, pp. 365-370
- [84] ŠTRIGNER, R.: Thermal Regime and Air-Flow in a Double-Skin Facade. In: Proceedings of 3<sup>rd</sup> Postgraduate Research Seminar, Brno, Czech Republic, 2001, pp. 169-172 (in Slovak)
- [85] ŠTRIGNER, R.-JANÁK, M.: Computer Simulation of Ventilated Double-Skin Facade of the Municipal Library in Brno. In: International Conference on Sustainable Building & Solar Energy 2001, Brno, Czech Republic, 2001, pp. 118 – 120
- [86] TOMAŠOVIČ, P.: Acoustic Ceilings and Indoor Acoustic Simulation from the Viewpoint of Space Acoustics. In: Proceedings of International Conference on Building Materials and Testing, Štrbské pleso, Slovakia, 2001, pp. 92-95 (in Slovak)
- [87] TOMAŠOVIČ, P.: An Acoustic and Thermal Comfort Analysis of Multipurpose Halls Based on Interior Physical Parameters. In: Proceedings of 6<sup>th</sup> International Acoustic Conference, Kočovce, Slovakia, 2001, pp. 75-78 (in Slovak)
- [88] TOMAŠOVIČ, P.-PUŠKÁŠ, J.: Experience with the Application of STN 140, STN 717 and STN 12 354 Standards in Building Practice. In: Proceedings of 6<sup>th</sup> International Acoustics Colloquium, Zvolen, Slovakia, 2001, pp. 41-45 (in Slovak)
- [89] TOMAŠOVIČ, P.-RYCHTÁRIKOVÁ, M.: An Analysis of the Pieter De Somer Hall in Leuven Produced by Ray Tracing-Based Acoustic Software. In: Proceedings of 63<sup>rd</sup> Acoustic Seminar, Veľké Karlovice, Czech Republic, 2001, pp. 43-49 (in Slovak)

- [90] TURČEK, I.: Energy Consumption of a Family House. In: Proceedings of 25<sup>th</sup> International Scientific Conference of the Departments of Building Structures from the Slovak and Czech Faculties of Civil Engineering, Znojmo, Czech Republic, 2001, pp. 124-125 (in Slovak)
- [91] VARGOVÁ, A.: Bionics as a Part of a Building Environment. In: Proceedings of 4<sup>th</sup> International Conference on Indoor Climate of Buildings 2001, Štrbské Pleso, Slovakia, 2001,
- [92] ŽILINSKÝ J., BUDAY, P.: Expected Changes in the Appraisal of Details of Ceramic-Based External Walls. In: Proceedings of 4<sup>th</sup> International "Indoor Climate of Buildings 2001" Conference, Štrbské Pleso, Slovakia, 2001, pp. 127- 132
- [93] ŽILINSKÝ, J.: Air Circulation in Building Interiors. In: Proceedings of International Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 47-50 (in Slovak)
- [94] ŽILINSKÝ, J.: Air Circulation in Rooms – Requirements in Our Country and Abroad. In: Proceedings of Thermal Protection of Buildings 2001 Seminar, Banská Bystrica, Slovakia, 2001, pp. 15-19 (in Slovak)
- [95] ŽILINSKÝ, J.: External Walls of Buildings in the Countryside. In: Proceedings of International Conference on Building in Rural Areas 2001, Nitra, Slovakia, 2001, pp. 30-32 (in Slovak)
- [96] ŽILINSKÝ, J.: Problems of Building Envelope Components. In: Proceedings of 25<sup>th</sup> International Scientific Conference of the Departments of Building Structures from the Slovak and Czech Faculties of Civil Engineering, Znojmo, Czech Republic, 2001, pp. 128-129 (in Slovak)
- [97] ŽILINSKÝ, J.: Quantification of Building Envelope Components. In: Proceedings of 1<sup>st</sup> Congress of the Departments of Building Structures on Globalization and Us, Dunajská Streda, Slovakia, 2001, pp. 35-40 (in Slovak)
- [98] ŽILINSKÝ, J.: Selected Problems of Attic Dwellings. In: Proceedings of International Conference on Building Defects, Their Removal and Moist Building Renovation, DT Bratislava, Slovakia, 2001, pp. 67-70 (in Slovak)
- [99] ŽILINSKÝ, J.-BUDAY, P.: Physical and Technical Analysis of Buildings Built from Ceramic Brick-Based Masonry. In: Proceedings of International Conference on Building and Energy, Podbanské, Slovakia, 2001, pp. 303-306 (in Slovak)