

## Research output and citations 2006

### 1. Domestic scientific monographs

–

### 2. Abroad scientific monographs

MATOLCSY, K. – TIDERENCZL, G. – MATIASOVSKY, P. *NAS State of the Art Report on Performance Based Building. PeBBUu Report: CIBdf*, 2005. 99 p.

### 3. Domestic professional books

–

### 4. Abroad professional books

URLICH, P. – VORLÍK, P. – FILSAKOVÁ, B. – ANDRÁŠIOVÁ, K. – POPELOVÁ, L.: Šedesátá léta v architektuře očima pamětníků. Praha, Česká technika – nakladatelství ČVUT 2006. ISBN 80-01-03413-5.

### 5. Chapters in books ad 1)

–

### 6. Chapters in books ad 2)

LALINSKÝ, T. – DRŽÍK, M. – JAKOVENKO, J. – HUSÁK, M.: „GaAs Thermally Based MEMS Devices: Fabrication Techniques, Characterization and Modeling“, INVITED CHAPTER in book „MEMS/NEMS HANDBOOK: TECHNIQUES AND APPLICATIONS“, Kluwer Academic Press, USA, 2006, ISBN 0-387-24520-0. p. 49–109.

MORAVČÍKOVÁ, H. – DULLA, M. – TOPOLČANSKÁ, M. – DORICOVÁ, S. – FAJGLOVÁ, K.: Plattenbausiedlungen in Bratislava: Architektonische und städtebauliche Aspekte. In: MAYER, V. (Hg.): Plattenbausiedlungen in Wien und Bratislava zwischen Vision, Alltag und Innovation. Verlag der Österreichische Akademie der Wissenschaften, Wien 2006. ISBN 3-7001-3698-6. s. 64 – 78.

MORAVČÍKOVÁ, H.: Architecture SK. In: Association Wonderland – platform for architecture. *Wonderland Travelogue 2004-2006. 99 European examples and answers regarding a changing architectural practice.* Wien: Springer, 2006. ISBN 3-211-35444-1. p. 27 – 29.

TOPOLČANSKÁ, M.: Territory of proximity or What is Wonderland? Wonderland SK: Maria Topolčanská. In Association Wonderland – platform for architecture. *Wonderland Travelogue 2004-2006. 99 European examples and answers regarding a changing architectural practice.* Wien: Springer, 2006. ISBN 3-211-35444-1. p. 22-23.

### 7. Chapters in books ad 3)

–

### 8. Chapters in books ad 4)

MORAVČÍKOVÁ, H.: Spoločná moderná tradícia? K českej a slovenskej architektúre / Modern tradition in Common? On Czech and Slovak Architecture. In: Česká architektura / Čech Architecture, Praha, Prostor 2006, ISBN: 80-903257-8-5. s. 14 – 16.

### 9. Scientific papers registered

#### a) in Current Contents

KOCIFAJ, M. – GANGL, M. – KUNDRACIK, F. – HORVATH, H. – VIDEEN, G. Simulation of the optical properties of single composite aerosols. In. *Aerosol Science*, Vol. 37, Iss. 2 (2006), p. 1683-1695. ISSN 0021-8502, (2.477 - IF2005).

- KOSTRÁB, G. – MRAVEC, D. – BAJUS, M. – JANOTKA, I. – SUGI, Y. – CHO, S. J. – KIM, J. H. Tert-butylation of toluene over mordenite and cerium-modified mordenite catalysts. In *Applied Catalysis A-General*. Vol. 299, no.1 (2006), p.122-130. (2.728-IF2005)
- MYKHASKIV, V. V. – ZHANG, CH. – SLADEK, J. – SLADEK, V. A frequency-domain BEM for 3-D non-synchronous crack interaction analysis in elastic solids. In *Engineering Analysis with Boundary Elements*. Vol. 30, (2006), p. 167-175. (0.894-IF2005).
- OCHIAI, V. – SLADEK, V. – SLADEK, J. Axial symmetric stationary thermoelastic analysis by triple-reciprocity BEM. In *Communications in Numerical Methods in Engineering*. Vol. 22 (2006), p. 547-566. (0.389-IF2005).
- OCHIAI, V. – SLADEK, V. – SLADEK, J. Transient heat conduction analysis by triple-reciprocity boundary element method. In *Engineering Analysis with Boundary Elements*. Vol. 30 (2006), p. 194-204. (0.894-IF2005).
- SADOVSKÝ, Z. – P. TEIXEIRA, A.P. – GUEDES SOARES, C. Degradation of the compressive strength of square plates due to initial deflections. In: *Journal of Constructional Steel Research*, Vol. 62(2006), No. 4, 369-377. (0.605-IF2005)
- SLADEK, J. – SLADEK, V. – ZHANG, CH. – GARCIA SANCHEZ, F. – WUNSCHE, M. Meshless Local Petrov-Galerkin Method for Plane Piezoelectricity, In *CMC-Computers Materials & Continua*. Vol. 4 (2006), p. 109-118. (0.75-IF2005).
- SLADEK, J. – SLADEK, V. – ZHANG, CH. – KRIVACEK, J. – WEN, P.H. Analysis of orthotropic thick plates by meshless local Petrov-Galerkin (MLPG) method, In *International Journal for Numerical Methods in Engineering*. Vol. 67 (2006), p.1830-1850. (1.203-IF2005).
- SLADEK, J. – SLADEK, V. – ZHANG, CH. – SCHANZ, M. Meshless Local Petrov-Galerkin Method for Continuously Nonhomogeneous Linear Viscoelastic Solids. In *Computational Mechanics*. Vol. 38 (2006), p. 279-289. (0.933-IF2005).
- SLADEK, J. – SLADEK, V. – HON, Y.C. Inverse Heat Conduction Problems by Meshless Local Petrov-Galerkin Method. In *Engineering Analysis with Boundary Elements*. Vol. 30 (2006), p. 650-661. (0.894-IF2005).
- SLADEK, J. – SLADEK, V. – WEN, P. H. – ALIABADI, M. H. Meshless Local Petrov-Galerkin (MLPG) Method for shear deformable shells analysis, In *CMES-Computer Modeling in Engineering & Sciences*. Vol. 13 (2006), p. 103-118. (2.178-IF2005).
- SLADEK, J. – SLADEK, V. – ZHANG, CH. – TAN, C. L. Meshless local Petrov-Galerkin Method for linear coupled thermoelastic analysis, In *CMES-Computer Modeling in Engineering & Sciences*. Vol. 16 (2006), p. 57-68. (2.178-IF2005).
- SLADEK, V. – SLADEK, J. Preface to: Non-traditional boundary integral formulations – Part II, In *Engineering Analysis with Boundary Elements*. Vol. 30 (2006), p. 149. (0.894-IF2005).
- TESÁR, A. – SEDLÁR, M. Behaviour control of slender composite structures. In: *International Journal for Numerical Methods in Engineering*, Vol 67 (2006), 1139-1203. (1.203-IF2005)
- TESÁR, A. Bionics and fractal configurations in structural engineering. In: *International Journal for Numerical Methods in Engineering*, Vol 68 (2006), 790-807, (1.203-IF2005)
- TOPOLČANSKÁ, M. Identity Game: Czech and Slovak architecture magazines as travelogues. In *Architectural Design*, Vol. 76 (2006), No 181 (May – June 2006), p. 26 – 33. (IF2005 sa pre databázu WOS Arts & Humanities neurčuje).

#### **b) in other international databases**

- DARULA, S. – KITTLER, R. Modelling possibilities for predicting annual daylight illuminance courses based on Bratislava data. In. *Building Research Journal*, Vol. 54, no. 1 2 (2006), p. 79-100. ISSN 1335-8863. (Emerald Abstracts-International Civil Engineering Abstracts)
- DARULA, S. – KITTLER, R. – WITTKOPF, S., K. Outdoor Illuminance Levels in the Tropics and Their Representation in the Virtual Sky Dome. In. *Architectural Science Review*, Vol. 49, no. 3 (2006), p. 301-313. ISSN 0003-8628. (SCOPUS)

JUHÁSOVÁ, E. – MATYS, M. – FRANKOVSKÁ, J. – LABÁK, P. Cooperative approach of geotechnical and earthquake engineering in seismic input assessment. In *Acta Geodaetica et Geophysica Hungarica*. Vol. 41, no. 3-4 (2006), p. 305-316. (Compendex, Elsevier GEO Abstracts, GEOBASE, SCOPUS)

KITTLER, R. – DARULA, S. The method of aperture meridians: a simple calculation tool for applying the ISO/CIE Standard General Sky. In *Lighting Research and Technology*. Vol. 38, no. 24 (2006), p. 109-122. ISSN 1477-1535. (SCOPUS)

KORONTHÁLYOVÁ, O. The influence of ventilation regime on moisture buffer effect of hygroscopic materials. In *Building Research Journal*. Vol. 54, No.2 (2006), p. 67-77. (Emerald Abstracts-International Civil Engineering Abstracts)

MAZÚCH, T. – HORÁČEK, J. – VESELÝ, J. – TRNKA, J. Simplified semianalytical approach for investigation of natural vibrations of elastic bodies of revolution in contact with quiescent fluid. In *Building Research Journal*. Vol. 54, no. 1 (2006), p. 1-10. (Emerald Abstracts-International Civil Engineering Abstracts).

MORAVČÍKOVÁ, H. Dem Sport hautnah. Ästhetisches und funktionelles Upgrading des alten Eishockey-Stadions in Bratislava.. In *Architektur aktuell*. Vol 32, no. 12 (2006), s. 10. (IBZ, IBR)

MORAVČÍKOVÁ, H. Industrial Architecture as a cultural phenomenon. In *Architektur aktuell*. Vol 32, no. 7-8 (2006), s. 86-97. (IBZ, IBR)

SLADEK, J. – SLADEK, V. – ZHANG, CH. – TAN, C. L. Evaluation of fracture parameters for crack problems in FGM by a meshless method. In *Journal Theoretical and Applied Mechanics*. Vol. 44 (2006) p. 603-636.

TESÁR, A.: Dynamic optimization for geometry of bionics shell roofs subjected to aimed snow skidding. In: *Building Research Journal*, Vol. 54, 2006, No. 1, 53-66. (Emerald Abstracts-International Civil Engineering Abstracts)

ZHANG, CH. – GAO, X. W. – SLADEK, J. – SLADEK, V. Fracture mechanics analysis of 2-D FGMs by a meshless BEM, In *Key Engineering Materials*. Vol. 324-325 (2006), p.1165-1172. (0.224-IF2005 - WOS).

ŽIVICA, V. – MATIAŠOVSKÝ, P. Nanotechnology and some possibilities of its application in the process of concrete production. In *Building Research Journal*. Vol. 54, no.1 (2006), p. 11-29. (Emerald Abstracts-International Civil Engineering Abstracts)

ŽIVICA, V. Deterioration of cement-based materials due to the action of organic compounds. In *Construction and Building Materials*. Vol. 20, no. 9 (2006), p.634-641, (0,342-IF 2005 - WOS)

ŽIVICA, V. Effectiveness of new silica fume alkali activator. In *Cement & Concrete Composites*. Vol. 28 (2006) p.21-26, (0,457-IF 2005 - WOS).

### **Addendum to year 2005**

TESÁR, A. Bionics and fractal configurations in structural engineering. In: *Building Research Journal*, Vol. 53, 2005, No. 4, p. 239-258. (Emerald Abstracts-International Civil Engineering Abstracts)

### **10. Scientific papers in other journals**

ANDRÁŠIOVÁ, K. – KARDOŠ, P.: Sto rokov profesora Ing. arch. akad. arch. Dr. Emanuela Hrušku, DrSc. In *Spektrum* roč. 12 (2006), č. 6, s. 9 – 10.

ANDRÁŠIOVÁ, K. Architekti Ferdinand Konček, Ilja Skoček, Ľubomír Titl: o živote, práci a o architektúre na Slovensku i v Čechách. 1. časť. In *Projekt* roč.48 (2006), č. 3, s. 76 – 83.

ANDRÁŠIOVÁ, K. Architekti Ferdinand Konček, Ilja Skoček, Ľubomír Titl: o živote, práci a o architektúre na Slovensku i v Čechách. 2. časť. In *Projekt* roč.48 (2006), č. 4, s. 37 – 44.

ANDRÁŠIOVÁ, K. Moderné budovy v modernom šate: Rekonštrukcia obvodového plášťa a požiarnych únikových ciest komplexu budov Ministerstva práce, sociálnych vecí a rodiny, Bratislava. In *Arch* roč.11 (2006), č. 9, s. 14.

ANDRÁŠIOVÁ, K. Profesor Emanuel Hruška: Pripomínáme si sté výročie narodenia. In *Fórum architektúry* roč. 16 (2006), č. 2 – 3, s. 26.

DARULA, S. – KITTLER, R. Metod pasčeta estestvennoho osveščenja i sovremennye tendencii ocenki ectestvennoho sveta. In. *Svetotechnika*. Vol. 76, no. 1 (2006), p. 28 – 34. ISSN 0039-7067.

DARULA, S. – KITTLER, R. Progressive daylight calculation means and the present daylight assessment trends. In. *Light and Engineering*, Vol. 14, no. 1 (2006), p. 28-34. ISSN 0236-2945.

DULLA, M. – MACHÁČOVÁ, P.: Bytový dom B5 v Petržalke. In: *Arch*. roč. 11 (2006), č. 6, s. 14.

DULLA, M. – MORAVČIKOVÁ, H. – ANDRASIOVA, K. a kol. DOCOMOMO narodny register: Slovensko. In: *Architektúra & Urbanizmus* roc. 40 (2006), c. 2 – 3, s. 183 – 205.

DULLA, M. – MORAVČÍKOVÁ, H. – ANDRÁŠIOVÁ, K. – HABERLANDOVÁ, K. – TOPOLČANSKÁ, M. – SAZALAY, P. Čo pre nás znamená obchodný dom a hotel na Kamennom námestí. In: *Arch*. Roč. 11 (2006), č. 11, s. 48 – 51.

DULLA, M. Moderna: dva póly alebo veľa odtieňov? In: *Architektúra & Urbanizmus* roč. 40 (2006), č. 2 – 3, s. 115 – 135.

DULLA, M. Montex – druhá etapa. In: *Arch*. Roč. 11 (2006), č. 3, s. 10 – 15.

DULLA, M. Obal z dvoch priečelí. K fasáde obnovovaného Presscentra. In: *Arch*. Roč. 11 (2006), č. 9, s. 18 – 21.

DULLA, M. Premena vily Paula na hotel Pavla. In: *Arch* roč. 11 (2006), č. 12, s. 28.

HABERLANDOVÁ, K. Dom s včelím úľom. In *Arch* 11 (2006), č. 1, s. 10.

HABERLANDOVÁ, K. Jedinečný príklad aplikácie moderných rámových konštrukcií v Bratislave (Zimný prístav: sklad č. 7) In: *Architektúra & Urbanizmus* roč. 40 (2006), č. 2 – 3, s. 157 – 180.

HABERLANDOVÁ, K. Obnova Central pasáže. In *Arch* 11 (2006), č. 12, s. 14.

JANOTKA, I. – NÜRNBERGEROVÁ, T. – KRIŽMA, M. – BÁGEL, Ľ. Mikrostruktura i właściwości betonu zawierającego cement z dodatkiem 15 % naturalnego zeolitu (Structure – property study of concrete containing cement blended with 15 percent of natural zeolite). In *Cement Wapno Beton*. Rok- Vol. XI/LXXIII, no. 3 (2006), p.159 – 170.

JUHÁS, M. – VRABEC, M. – SVRČEK, V. Znižovanie dynamického namáhania pomocou selektívneho riadenia. In *Acta Mechanica Slovaca*. Roč. 10, č. 1 (2006), s. 205-212.

JUHÁS, P. – JUHÁSOVÁ, E. – ROTH, O. Experimentálna analýza únavovej pevnosti a životnosti konštrukčných ocelí a detailov. In *Acta Mechanica Slovaca*. Roč. 10, č. 1 (2006), s. 221-228.

JUHÁS, P. – JUHÁSOVÁ, E. Experimental analysis of fatigue strength and life time of special bridge assemblies. In *Acta Mechanica Slovaca*. Vol. 10, no. 1 (2006), p. 213-220.

KRIŽMA, M – BÁGEL, Ľ.: Pracovné charakteristiky cementových kompozitov s obsahom plastového kameniva. In: *Inžinierske stavby*, Ročník 54, 2006, č. 1, s. 14-16.

KRIŽMA, M. – NÜRNBERGEROVÁ, T., Load bearing capacity and deformation characteristics of steel locks of motorway concrete safety barriers. In: *Inžinierske stavby*, Vol. 54, 2006, No. 2, p. 4-9.

MORAVČÍKOVÁ, H. – DULLA, M. – DORICOVÁ, S. – HABERLANDOVÁ, K. – TOPOLČANSKÁ, M. Panelové sídliská v Bratislave a ich univerzálne a špecifické súvislosti. / Prefabricated Housing Estates in Bratislava in their General and Specific Contexts. *Architektúra & Urbanizmus*. Roč. 40 (2006), č. 1 – 2, s. 73 – 96.

MORAVČÍKOVÁ, H. – DULLA, M. – DORICOVÁ, S. – HABERLANDOVÁ, K. – TOPOLČANSKÁ, M. Panelové sídliská v Bratislave: stručný prehľad. In: *Architektúra & Urbanizmus*. Roč. 40 (2006), č. 1 – 2, s. 97 – 113.

- MORAVČÍKOVÁ, H. Dva modely fungovania moderny v architektúre na Slovensku, alebo architektonická moderna na Slovensku a jej európske súvislosti. In: *Architektúra & Urbanizmus* roč. 40 (2006), č. 2 – 3, s. 157 – 180.
- MORAVČÍKOVÁ, H. Konzistentná výpoveď na tému mestského bývania. In: *Arch*, roč. 11 (2006), č. 10, s. 14.
- MORAVČÍKOVÁ, H. Oranžový a modrý koplín. In: *Arch*, roč. 11 (2006), č. 4, s. 10.
- MORAVČÍKOVÁ, H. Presvedčivý mestský dom s pridanou hodnotou energetickej úspornosti. In: *Arch*, roč. 11 (2006), č. 4, s. 18.
- MORAVČÍKOVÁ, H. Prijateľná modernosť neomietnutej tehly. In: *Arch*, roč. 11 (2006), č. 7 – 8, s. 28.
- MORAVČÍKOVÁ, H. Tradičný dom so stĺpovým podsténím a jeho potenciál vo vzťahu k súčasnej architektúre. In: *Arch*, roč. 11 (2006), č. 5, s. 36.
- MORAVČÍKOVÁ, H. Vitalita moderného konceptu. In: *Arch*, roč. 11 (2006), č. 7 – 8, s. 12.
- SLADEK, J. – SLADEK, V. Elastodynamic analysis of orthotropic shallow shells, In *Acta Mechanica Slovaca*. Vol. 10 (2006) p. 505-516.
- SZALAY, P. Zahraničné styky Slovenskej architektonickej obce obdobia socializmu v grafoch a štatistikách. In: *Architektúra a Urbanizmus* 40, 2006, č. 3- 4, s. 181 – 190.
- TESÁR, A.: Fatigue control of slender composite structures. *Acta Mechanica Slovaca*, Košice, 1/2006, EAN 2006, Ročník, 10., 573-578
- TESÁR, A.: Zdvíhací most cez rieku Morava na hraničnom prechode Záhorská Ves – Angern. In: *Projekt a stavba*, 1, 2006, 16-20
- TOPOLČANSKÁ, M. CMYK housing, Prešov. In *A10*. Vol. 7 (2006), no. 1 – 2, p. 23 – 24.
- TOPOLČANSKÁ, M. Dva bytové domy v Sant Boi de Llobregat, Katalánsko. In *Projekt*. roč. XLVIII (2006), č. 3 – 4, s. 18 – 23.
- TOPOLČANSKÁ, M. Dva prístupy k modernite. Alena Šrámková a Ferdinand Milučký. In: *Architektúra & Urbanizmus* roč. 40 (2006), č. 2 – 3, s. 137 – 155.
- TOPOLČANSKÁ, M. Housing projects, Bratislava. In *A10*. Vol. 9 (2006), no. 5 – 6, p. 16 – 17.
- TOPOLČANSKÁ, M. Territory of proximity or What is Wonderland? In *Wonderland Magazine* „Getting Started“. Vol. (2006), no. 1, p. 62.
- TOPOLČANSKÁ, M. Umenie komunikácie. In *ARCH o architektúre a inej kultúre*, ročník 11, číslo 7-8, júl-august 2006, s. 20-23.
- ŽIVICA, V. Elektrochemické postupy pre sanáciu korodovaných železobetónových konštrukcií. In *Materiály pro stavbu*, č.3 (2006), p.51-53
- ŽIVICA, V. Trvanlivosť aplikovaných sanačných materiálov, In *Materiály pro stavbu* č.3 (2006), p.56-57

#### **Addendum to year 2005**

KRAJČI, L. – ŠPAČEK, A. Protikorózna aktivita železných prísad v cementových kompozitoch. In *Inžinierske stavby*, Vol. 53 (2005), no. 3-4, s. 4-7.

### **11. Scientific paper in proceedings (conference and/or other kind, printed or CD ROM)**

#### **a) reviewed**

BAIRRAO, R. – FALCAO SILVA, M. J. – JUHÁSOVÁ, E. – CAMPOS COSTA, A. – COELHO, E. Shaking table tests of an asymmetrical limestone building. In KOLLER, M., GIARDINI, D., *Proc. of the 1st European Conference on Earthquake Engineering and Seismology, 3-8 September 2006*,

Geneva, Switzerland, Zurich: ETH, 2006. ISBN-10:2-8399-0190-0 / ISBN-13:978-2-8399-0190-1. Paper 636/1-10. (CD ROM) (R)

BALKOVIC, B. – DRÁBIK, M. – ŽIVICA, V. Síranová korózia betónu; taumazit, etringit alebo obidve fázy? In VEHOVSKÁ, E., FRIDRICHOVÁ, M., *Zborník V. odbornej konferencie Maltoviny 2006, Brno 14. 12. 2006*, Svaz výrobců cementu ČR, Fakulta stavební Brno, 2006, s. 13-22. (R)

BALKOVIC, B. – ŽIVICA, V. – DRÁBIK, M. Odolnosť betónu voči síranovému napadnutiu, In KOSTSKA, J., *Zborník Cement 2006, medzinárodná konferencia Súčasnosť, vývojové trendy, trvalo udržateľný rozvoj, 18. – 20. 10. 2006, Stará Lesná, Vysoké Tatry*, CEMDESIGN, spol. s r.o. Trenčín, Zväz výrobcov cementu a vápna, 2006, p. F-1 – F-9 (R)

BOLDIŠ, T. – PETRÁŠ, D. – MATIAŠOVSKÝ, P. Experimental examination of the operation of a hybrid electric heating system in a climate chamber. In TRAWNIKA, M. G., *CD Proc. Clima 2005: 8th REHVA World Congress for Building Technologies*, Lausanne, 9 - 12 October 2005, SWKI - Swiss Society of Heating and Airconditioning Engineers, Schönbühl, 2005, p. 6. ISBN: 9789-3-033-00858-3. (R)

DARULA, S. Calculation of window luminances and sky illuminance in side-lit working places. In ORGULAN, A., *Proc. Int. Conf. Lighting Engineering 2006*, 11. – 13. 10. 2006 Bled, Slovensko družstvo za razsvetljavo, Maribor, p. 103-108. ISBN 86-435-0799-7. (R)

DARULA, S. Denné svetlo a slnečné žiarenie: perspektívne zdroje úspor energií pre prevádzku budov. (Daylight and sun radiation: perspective sources of energy savings in performance of buildings). In MAJDÚCH, D., *Proc Conf. 2<sup>nd</sup> Visegrad International Engineering Conf. under the auspices of the President of the Slovak Republic H. E. Ivan Gasparovic, Renovation of user and energy qualities of Buildings*. 5 October 2006 Topoľčianky, Slovak Chamber of Civil Engineering Bratislava, p. 36-39. ISSN 1336-6327. (R)

DRÁBIK, M. – BALKOVIC, S. – GÁLIKOVÁ, L. – BÁGEL, L. Potential of Portland cements for MDF materials & technologies. In STARK, J., FISCHER, H. B., FINGER, F. A., *Proc 16. Int. Baustofftagung – IBAUSIL, Weimar, Germany, 20. – 22. september 2006*, p.2-0289 – 2-0296. (R).

DULLA, M. Dušan Samuel Jurkovič. In ČELKOVÁ, L., *Slovenskí vzdelanci. Dortissimi Slovaciae V. Ústredná knižnica SAV, Bratislava 2006*. s. 19 – 22. (R)

GAO, X. – ZHANG, CH. – SLADEK, J. – SLADEK, V. A meshless BEM for 2-D stress analysis in linear elastic FGMs, In GRIEBEL, M., SCHWEITZER, M. A., *Meshfree Methods for Partial Differential Equations III*, Springer, Boon, 2006. ISBN 13 978-3-540-46214-9, p. 105-120. (R)

JANOTKA, I. – KIŠŠ, Š. Mechanical and anti-rust protection of pipelines by a 9-mm thick layer of special cement blend in geosynthetic liner. In MALHOTRA, V. M., *Proc. of the 8th CANMET/ACI International Conference on Recent Advantages in Concrete Technology, Montreal, Canada, 30 May – 3 June 2006*. Montreal: CANMET Ottawa, 2006. p.179 – 195. (R).

JANOTKA, I. – KRIŽMA, M. – BÁGEL, L. – NÜRNBERGEROVÁ, T. – KRAJČI, L. – NAĎ, L. K degradácii charakteristík betónu v podpovrchových líniových konštrukciách vplyvom požiaru. In KOTEŠ, P., PITÁK, V., *Zborník z konf. fib Betón na Slovensku, pri príležitosti 2.fib kongresu-Neapol, Žilina, 5. – 6. apríl 2006*. Žilina: Národný komitét fib SR a Žilinská univerzita, 2006. p. 221-226. (R).

JERGA, J. – KRIŽMA, M. Damage detection of SFRC. In KRÁLIK, J., *Proc. of the 5<sup>th</sup> International Conference on New Trends in Statics and Dynamics of Buildings*, October 19-20, 2006 Bratislava, Slovakia. Faculty of Civil Engineering STU Bratislava, 2006. ISBN 80-227-2479-3. p. 157-160. (R)

JERGA, J. – KRIŽMA, M. Skúšky mechanických vlastností vláknobetónu. In KOTEŠ, P., PITÁK, V., *Zborník z konferencie fib – Betón na Slovensku 2002-2006, 5. – 6. apríl 2006, Žilina*. Žilinská univerzita v Žiline, Stavebná fakulta, 2006. ISBN 80-968847-5-1. p. 227-232. (R)

JERGA, J. – KRIŽMA, M. Testing of mechanical properties of SFRC tunnel linings. In ALDORF, J., *Proc. of the 11<sup>th</sup> Int. Conference Geotechnics 2006, Štrbské Pleso, 20.-22.9.2006*. Faculty of Civil Engineering-TU Ostrava and Faculty BERG-TU Košice, 2006. ISBN 80-248-1124-3, p. 279-284. (R)

JUHÁS, P. – JUHÁSOVÁ, E. – ROTH, O. Únavová pevnosť a životnosť podľa experimentálnych výskumov a nových noriem pre navrhovanie oceľových konštrukcií. In MELCHER, J., VEJVODA,

S., *DYNA 2006 Dynamicky namáhané konstrukce, 11.-12. mája 2006, Brno, Czech Republic*. Brno: VUT FS, 2006. ISBN 80-214-3164-4, s. 185-194 (R)

JUHÁSOVÁ, E. – SOFRONIE, R. – HURÁK, M. Combined effects of fibre mortars and reinforced polymers on the seismic capacity of masonry. In KOLLER, M., GIARDINI, D., *Proceedings of the 1st European Conference on Earthquake Engineering*. Zurich: ETH, 2006. ISBN-10:2-8399-0190-0 / ISBN-13:978-2-8399-0190-1. Paper 784/1-10. (CD ROM) (R)

JUHÁSOVÁ, E. – VRABEC, M. – JUHÁS, M. – KAFKA, V. Resistance of structures with contribution of fibre materials and shape memory alloys. In KOLLER, M., GIARDINI, D., *Proceedings of the 1st European Conference on Earthquake Engineering and Seismology, 3-8 September 2006, Geneva, Switzerland*. Zurich: ETH, 2006. ISBN-10:2-8399-0190-0 / ISBN-13:978-2-8399-0190-1. Paper 215/1-10. (CD ROM) (R)

JUHÁSOVÁ, E. Eurokódy – súčasný stav a perspektívy vývoja z pohľadu SC1. In BENKO, V., HALVONÍK, J., *Navrhovanie nosných konštrukcií stavieb podľa eurokódov*. Bratislava, 15. júna.2006; Košice 21. júna.2006. Bratislava: SKSI. s. 1-9. (CD ROM) (R)

JUHÁSOVÁ, E. Eurokódy, súčasný stav a perspektívy vývoja. In KRÁLIK, J., *Nové trendy a metódy v navrhovaní konštrukcií*, Bratislava, 18.-20. mája 2006. Bratislava: SvF STU. s. 1-9. (CD ROM) (R)

KITTLER, R. – DARULA, S. Pokrokové trendy a kritériá pre posudzovanie denného osvetlenia v interiéroch. In ALMASI, J., *CD Proc. Conf. Vysegrad Countries for Illuminating LUMEN V4*, 28. - 29. September 2006 Balatonfüred, p. 1S-6S. (R)

KITTLER, R. – DARULA, S. Progressive trends and criteria for the assessment of daylight in interiors. In ALMASI, J., *CD Proc. Conf. Vysegrad Countries for Illuminating LUMEN V4*, 28. -29. September 2006 Balatonfüred, p. 1A-6A. (R)

KOCIFAJ, M. Radičná bilancia v silne znečistenej prízemnej vrstve atmosféry, (Radiative balance in polluted boundary layer of the atmosphere), In ČELKOVÁ A., MATEJKA, F., *Transport of Water, Chemicals and Energy in the Soil-Crop Canopy-Atmosphere System*, Eds., Inst. of Hydrology SAS, Bratislava, 9 November, 2006, p. 224-231, ISBN 80-85754-15-0. (R)

KORONTHÁLYOVÁ, O. – MIHÁLKA, P. Calculation of heating energy consumption and resultant indoor climate in 1-zone object by integrated simulation model. In ŽILINSKÝ, J., *Budovy a prostredie 2006*, STU, Bratislava 2006, p. 79-82, ISBN 80-227-2518-8. (R)

KRAJČI, L. Resistance of cement-bentonite suspension against chemical action of aggressive environment. In ALDORF, J., *Proceedings of the 11th International Conference Geotechnics 2006, Štrbské Pleso, 20. – 22. September 2006*. Stupava: Orgware Slovakia, 2006. p. 273-278. (R).

KRAJČI, L. Sulfate resistance of zeolite-blended Portland cement. In ĎURICA, T., *Proceedings of the 4th International Conference on Quality and Reliability in Building Industry, Levoča, 17. – 19. October 2006*. Košice: Stavebná fakulta Technickej univerzity, 2006. p. 231-236. (R).

KRIVÁČEK, J. Finite element with linearly varying elastic modulus for buckling analysis of plates. In KRÁLIK, J. *Proc. of the 5th International Conference on New Trends in Statics and Dynamics of Buildings*, Bratislava, Slovakia, 19-20 October 2006. ISBN 80-227-2479-3. p. 89-92. (R).

KRIŽMA, M. – NÜRNBERGEROVÁ, T. – MORAVČÍK, M. – SUCHOŇ, M. – HANEČKA, K. K problematike pretvárných vlastností pórobetonových prútových prvkov. In BILČÍK, J., BELLOVÁ, M., *Zborník konferencie „Betonárske dni 2006“*, 9. a 10. november 2006, Bratislava, SvF STU v Bratislave, s. 221-226, ISBN 80-227-2500-5. (R)

KRIŽMA, M. – NÜRNBERGEROVÁ, T. – MORAVČÍK, M. – SUCHOŇ, M. Deformation Limit State of Built-up Aerated Concrete Linear Members. In BRDA, J., *Zborník konferencie „Staticko-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií“*, 29. 11 až 1. 12. 2006, Štrbské Pleso, TU Košice, ISBN 80-8073-678-2 (CD), (R).

KRIŽMA, M. – NÜRNBERGEROVÁ, T. Únosnosť a pretvárne charakteristiky oceľových zámkov betónových diaľničných zvodidiel. In KOTEŠ, P., PITÁK, V., *Zborník konferencie „Betón na Slovensku 2002-2006“*, 5. a 6. apríl 2006, Žilina, NK FIB SR, ŽU v Žiline, s. 309-314, ISBN 80-968847-5-1.(R)

MATIAŠOVSKÝ, P. – KORONTHÁLYOVÁ, O. Critical moisture contents for water and air transport in case of imbibition and drying tests. In FAZIO, P., GE, H., RAO, J., DESMARAIS, G., *Research in Building Physics and Building Engineering. Proceedings and CD of the 3rd International Building Physics Conference*, Montreal, 27 – 31 August 2006, Taylor & Francis Group, London, p. 43 – 48, ISBN 0-415-41675-2. (R)

MORAVCIKOVA, H. Plattenbausiedlungen in Bratislava: Architektonische und stadtebauliche Aspekte. In MAYER V, *Plattenbausanierung in Wien und Bratislava: Neues Leben in alten Strukturen*. Institut für Stadt und Regionalforschung der Österreichischen Akademie der Wissenschaften 2006, ISBN 3-9502069-2-2, s. 45-49. (R).

MYKHASKIV, V. V. – ZHANG, CH. – SLADEK, J. – SLADEK, V. Boundary element analysis of a cracked 3-D solid under non-synchronous dynamic loading, In LIU, G.R., TAN, V.B.C., HAN, X., *Computational Methods*, Springer, Dordrecht, 2006. ISBN 101 4020 3953, p. 91-96. (R)

NÜRNBERGEROVÁ, T. – KRIŽMA, M. Working characteristics of cement composites containing zeolite. In ĎURICA, T., *Proceeding: IV International Scientific Conference Quality and Reliability in Building Industry*, Levoča 17. – 19. 10. 2006. Technická univerzita v Košiciach, Stavebná fakulta. ISBN 80-8075-594-8, str. 289-294 (R).

POKORNÝ, M. – JERGA, J. Damage assessment of tunnel linings by nonlinear acoustic testing methods. In ALDORF, J. *Proceedings of the 11<sup>th</sup> International Conference Geotechnics 2006, Štrbské Pleso, 20.-22.9.2006*. Faculty of Civil Engineering, TU Ostrava and Faculty B.E.R.G. – TU Košice, 2006. ISBN 80-248-1124-3, p. 285-290. (R)

POKORNÝ, M. – JERGA, J. Stanovenie porušenia betónu pomocou nelineárnych akustických metód. In BILČÍK, J., BELLOVÁ, M., *Zborník z konferencie Betonárske dni 2006, 9.-10.11. 2006, Bratislava*. Slovenská technická univerzita, Bratislava, 2006. ISBN 80-227-2500-5, p. 329-334. (R)

POKORNÝ, M. – JERGA, J. – GAŠPARÍK, R. Concrete quality detection by acoustic testing methods. In JURÍČEK, I., *Zborník z medzinárodnej konferencie Vývojové tendencie v technológii stavieb, 13.-14. septembra 2006, Bratislava*. STU v Bratislave, Stavebná fakulta, 2006. ISBN 80-227-2478-5. p. 157-162. (R)

SADOVSKÝ, Z. – PÁLEŠ, D. Spoľahlivosť priemyselných budov s ľahkými strechami. In ÁROCH, R., *Oceľové konštrukcie a mosty. 21. česká a slovenská medz. konf.*, 20.-23.9.2006, SvF STU Bratislava 2006, s. 41-48, ISBN 80-227-2471-8. (R)

SADOVSKÝ, Z. Climatic loads and reliability of light roof industrial buildings. In GUEDESS SOARES, C., ZIO, E., *Safety and Reliability for Managing Risk, Proc. European Safety and Reliability Conf.* Estoril, 18-22 Sept 2006, (eds), Vol 2, p. 1535-1539, ISBN 0-415-41620-5. (R)

SLADEK, J. – SLADEK, V. – ZHANG, CH. Local boundary integral equations for 2-D nonhomogeneous anisotropic problems in elasticity, In LIU, G. R., TAN, V. B. C., HAN, X., *Computational Methods*, Springer, Dordrecht, 2006. ISBN 101 4020 3953, p. 57-66. (R).

ŠPAČEK, A. – JANOTKA, I. Zvyšovanie chemickej odolnosti betónu použitím prísad. In SRŮMA, V., SRŮMOVÁ, Z., *Zborník z 2. konferencie Beton v podzemných a základových konštrukciách, Praha, Česká Republika, 15.únor 2006*. Praha: Česká betonářská společnost ČSSI a ČBS Servis, s.r.o., 2006. s.34 – 40. (R).

ŽIVICA, V. Alkalicky aktivované cementy a betóny environmentálne priaznivé a technicky perspektívne materiály. In BILČÍK, J., BELLOVÁ, M., *Zborník prednášok z konferencie Betonárske dni 2006, 9. – 10. november 2006, Bratislava*, Slovenská technická univerzita Bratislava, Doprastav a.s., Holcim (Slovensko) a.s., ZIPP Bratislava s.r.o., p.147-152. (R).

## **b) non-reviewed**

BÁGEĽ, Ľ. – MATIAŠOVSKÝ, P. Use of crushed plastics from WEEE as lightweight concrete aggregate, *12<sup>th</sup> Int. Conference Engineering of environment protection (Technika Ochrany Prostredia – TOP), Častá-Papiernička, 28. – 30. jún 2006*, s. 19-25 (ISBN 80-227-2436-X).

BÁGEL, L. Effect of pretreatment of aggregate surface on the properties of mortars. The role of wettability and interface transition zone, *4th Czech/Slovak symposium Theoretical and experimental research in structural engineering, ÚSTARCH SAV, Bratislava, 14-15 jún 2006*, CD-ROM (ISBN 80-969521-0-2), p. 70-84.

DARULA, S. – KITTLER, R. TWIN system: descriptors for the evaluation of illuminance and irradiance availability. In: *CD Proc. 4<sup>th</sup> Slovak/Czech Symposium Theoretical and Experimental Research in Structural Engineering, 14. – 15. June 2006*, ICA SAS Bratislava, p. 211-218. ISBN 80-969521-0-2, p. 211-218.

DARULA, S. Výpočet svetelnej účinnosti pri podmienkach jasnej oblohy. In: *Proc. Kurz osvetľovací techniky XXV. Téměř vše o světle, 16. - 18. October. 2006 Kouty nad Desnou*, Vysoká škola báňská – Technická univerzita Ostrava 2006, p. 22-25. ISBN 80-248-1178-2.

JERGA J. – KRIŽMA, M. Assessment of concrete damage. In: *Proceedings of the 4<sup>th</sup> Slovak/Czech Symposium Theoretical and Experimental Research in Structural Engineering, 14-15, June 2006, Bratislava*. ÚSTARCH SAV Bratislava, Slovak Republic, 2006. ISBN 80-969521-0-2, p. 32-44.

JUHÁSOVÁ, E. – SOFRONIE, R. – HURÁK M. Combined effects of fibre mortars and reinforced polymers on the seismic capacity of masonry. In *Proceedings of the 4th CZ-SK Symposium on Theoretical and Experimental Research in Structural Engineering, 14-15 June 2006, Bratislava*. Bratislava: ÚSTARCH SAV, 2006. ISBN 80-969521-0-2. p. 45-58.

KOCIFAJ, M. Fyzikálne princípy rozptylu svetla v atmosfére a ich aplikácia na podmienky dennej a nočnej oblohy (Physical In: *Proc. Kurz osvetľovací techniky XXV. Téměř vše o světle, 16. - 18. October. 2006 Kouty nad Desnou*, Vysoká škola báňská – Technická univerzita Ostrava 2006, p. 100-103. ISBN 80-248-1178-2.

KORONTHÁLYOVÁ, O. – MIHÁLKA, P. Vplyv vetracieho systému, riadeného relatívnou vlhkosťou vzduchu, na vnútornú klímu a úspory energie na vykurovanie. In: *Zborník prednášok Vnútorná klíma budov 2006*, SSTP 0636, ISBN 80-89216-12-9. Bratislava, 2006, p. 67-72.

KORONTHÁLYOVÁ, O. Determination of moisture buffer ability of 1-zone space. In *CD Proceedings of 4th Slovak/Czech symposium. Theoretical and experimental research in structural engineering*. ICA SAS Bratislava 2006. ISBN 80-969521-0-2. p. 59-69.

KRAJČI, L. Relation of cement matrix deterioration to steel reinforcement corrosion of mortars in aggressive environment. In *MATIAŠOVSKÝ, P., SLÁDEK, V., Proceedings on CD ROM of the 4th Slovak/Czech Symposium on Theoretical and Experimental Research in Structural Engineering, Bratislava, 15. – 16. jún 2006*. Bratislava: ÚSTARCH SAV, 2006. p. 161-172.

KRIVÁČEK, J. Zvyšková pevnosť tenkostenných oceľových konštrukcií. In *Zborník z 32. aktívu „Uplatňovanie oceľových, oceľobetónových a drevených konštrukcií a mostov vo výstavbe, Slovenský raj – Čingov, 14.-16. novembra 2006*. ISBN 80-8073-624-3, s. 93-98.

KRIŽMA, M. – BÁGEL, L. – NÜRNBERGEROVÁ, T. Working characteristics of cement composites containing plastic crushed materials, *4th Czech/Slovak symposium Theoretical and experimental research in structural engineering, ÚSTARCH SAV, Bratislava, 14. – 15. jún 2006*, CD-ROM (ISBN 80-969521-0-2), p. 245-254.

MATIAŠOVSKÝ, P. – TAKÁCSOVÁ, Z. Sorption isotherm of interior finish materials. In *CD Proceedings of 4th Slovak/Czech symposium. Theoretical and experimental research in structural engineering*. ICA SAS Bratislava 2006, p. 191 – 197, ISBN 80-969521-0-2.

MAZÚCH, T. Young's modulus of metal foam in dependency on its mass density. In *ZOLOTAREV, I., Proceedings of the XIII National seminar with International participation, Interaction and Feedbacks '2006, 28. – 29. November 2006, Praha, Czech Republic*, Praha: IT AS CR, 2006. ISBN 80-87012-02-X, p. 53-60.

SADOVSKÝ, Z. – ŠŤASTNÝ, P. – FAŠKO, P.: Aktualizácia údajov pre zaťaženia snehom na území Slovenska. *4th Slovak / Czech Symposium, Theoretical and Experimental Research in Structural Engineering, June 14-15, 2006*, Eds. P. Matiašovský, V. Sládek, ÚSTARCH SAV Bratislava, p. 2-8, CD, ISBN 80-969521-0-2.

TESÁR, A. Optimization of shell roofs subjected to aimed snow skidding. In *Proceedings of Int. Conf. VSU'2006*, 22-23 May, 2006, Sofia, Bulgaria, Vol. II, 39-45.

TESÁR, A. Synthesis in optimization of bionics bascule bridges. In *CD Proceedings of 4th Slovak/Czech symposium. Theoretical and experimental research in structural engineering*. ICA SAS Bratislava 2006, p. 198 - 210, ISBN 80-969521-0-2.

TESÁR, A. Virtual monitoring in advanced bridge engineering. Zborník konferencie – Staticko-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií. VII. konferencie so zahraničnou účasťou, 29.11. – 1. 12. 2006, Štrbské Pleso, Vysoké Tatry. CD-ROM ISBN 80-8073-678-2. p. 1-9.

VESELSKÝ, J. – KORONTHÁLYOVÁ, O. The experimental determination of the dynamic moisture response of autoclaved aerated concrete. In: *Proceedings of International Workshop Physical and Material Engineering 2006*, ISBN 80-227-2467-X, STU Bratislava 2006, p. 274-275.

ŽIVICA, V. – BÁGEE, E. Nanotechnológia a betón – možnosti aplikácie, *FIB 2006, Betón na Slovensku 2002 – 2006, Žilina*, 5. – 6. apríl 2006. s. 253-256 (ISBN 80-968847-5-1).

ŽIVICA, V. Presence of calcium sulfate anhydrite free in sulfoaluminate belite cements and its significance for their chemical resistance. *Zborník 4th Czech/Slovak Symposium, Theoretical and Experimental Research in Structural Engineering* 14. – 15. 6. 2006. CD, ISBN 80-969521-0-2, p. 129-139.

### **Addendum to year 2005**

LUKOVIČOVÁ, J. – MATIAŠOVSKÝ, P. Application of inverse method to the determination of heat transfer coefficient for porous material. In *CD Proc. of Thermophysics 2005*, USTARCH SAV. Bratislava, 2005. p. 85-91, ISBN 80-969434-2-1.

### **12. Scientific papers in proceedings of extended abstracts**

ANDREJKOVIČOVÁ, S. – JANOTKA, I. – KOMADEL, P. Phase composition and geotechnical evaluation of bentonite from Lieskovec, Slovakia. In *Proceedings of the 3rd Mid-European Clay Conference, Opatija, Croatia, 18-23 September 2006*. Zagreb: Faculty of Sciences and Faculty of Mining, Geology and Petroleum Engineering University of Zagreb, 2006. p. 19 (Book of Abstracts).

BAIRRAO, R. – COELHO, E. – CAMPOS COSTA, A. – FALCAO SILVA, M. J. – JUHÁSOVÁ, E. Shaking table tests of an asymmetrical limestone building. In *Abstract Book of the 1st European Conference on Earthquake Engineering and Seismology, 3. – 8. September 2006, Geneva, Switzerland*. Zurich: ETH, 2006. p. 214.

JANOTKA, I. - GALKO, I. Cement suspensions for slurry cut-off walls with ultra fine ground Na-bentonite from Lieskovec and Jelšový Potok deposits. In *Proceedings of the 3rd Mid-European Clay Conference, Opatija, Croatia, 18-23 September 2006*. Zagreb: Faculty of Sciences and Faculty of Mining, Geology and Petroleum Engineering University of Zagreb, 2006. p.59 (Book of Abstracts).

JANOTKA, I. – MOJUMDAR, S. C. Degree of hydration in cement paste and C<sub>3</sub>A – sodium carbonate – H<sub>2</sub>O systems. In *Proceedings of the 16th CTAS Annual Workshop and Exhibition, Mississauga, Ontario, Canada, 9-10 May 2006*. Mississauga: Canadian Thermal Analysis Society, 2006. p.18 (Book of Abstracts).

JUHÁSOVÁ, E. – SOFRONIE, R. – HURÁK, M. Combined effects of fibre mortars and reinforced polymers on the seismic capacity of masonry structures. In *Abstract Book of the 1st European Conference on Earthquake Engineering and Seismology, 3-8 September 2006, Geneva, Switzerland*. Zurich: ETH, 2006. p. 28.

JUHÁSOVÁ, E. – VRABEC, M. – JUHÁS, M. – KAFKA, V. Resistance of structures with contribution of fibre materials and shape memory alloys. In *Abstract Book of the 1st European Conference on Earthquake Engineering and Seismology, 3. – 8. September 2006, Geneva, Switzerland*. Zurich: ETH, 2006. p. 57.

SLADEK, V. – SLADEK, J. – ZHANG, Ch. Computation of stresses in non-homogeneous elastic solids by Local Integral Equation method. In *IABEM 2006, TU Graz, Austria, 10. – 12. July, 2006*. p.

### 13. Reviews of research works in scientific journals

ANDRÁŠIOVÁ, K. Majstri architektúry. In *Arch* roč. 11 (2006), č. 1, s. 47.

DULLA, M. Tichá závisť, alebo čo majú spoločné Le Corbusier, Kenethe Frampton a Juhani Pallasmaa. In *Arch* roč. 11 (2006), č. 1, 46 – 47.

DULLA, M. Tvarovanie v architektúre. In *Arch* roč. 11 (2006), č. 1, s. 47 – 48.

HABERLANDOVÁ, K. Brnenská moderna. In: *Architektúra & Urbanizmus* roč. 40 (2006), č. 2 – 3, s. 203 – 204.

MORAVČÍKOVÁ, H. Dobrý príklad. *Arch* roč. 11 (2006), č. 12, s. 53.

SZALAY, P. Architektúra XX. stololetí Morava a Slezko: na cesty aj do knižnice. In: *ARCH o architektúre a inej kultúre* 11, 2006, č. 4., s. 52.

SZALAY, P. Spomienky a úvahy architekta neďalekej minulosti a dneška. In: *ARCH o architektúre a inej kultúre* 11, 2006, č. 7- 8., s. 56.

TOPOLČANSKÁ, M. Periodická tabuľka izmov - recenzia. In *ARCH o architektúre a inej kultúre*, roč. 11, 2006, č. 12, s. 53.

### 14. Lectures and posters at scientific meetings with abroad attendance at least 30 %

BAIRRAO, R. – FALCAO SILVA, M. J. – JUHÁSOVÁ, E. – CAMPOS COSTA, A. – COELHO, E. Shaking table tests of an asymmetrical limestone building. In *Proceedings of the 1st European Conference on Earthquake Engineering and Seismology, Geneva, 3-8 September 2006 (Poster)*.

DARULA, S. Predetermination of exterior radiation and illumination conditions: The unification of their characteristics. In. *Conf. Vysegrad Countries for Illuminating LUMEN V4, 28. September 2006 Balatonfüred, Maďarsko*.

DARULA, S. Calculation of window luminances and sky illuminance in side-lit working places. In. *Int. Conf. Lighting Engineering 2006, 12. 10. 2006 Bled, Slovinsko*.

DARULA, S. Denné svetlo a slnečné žiarenie: perspektívne zdroje úspor energií pre prevádzku budov. (Daylight and sun radiation: perspective sources of energy savings in performance of buildings). In. *Conf. 2<sup>nd</sup> Visegrad International Engineering Conf. Renovation of user and energy qualities of Buildings. 5 October 2006 Topolčianky*.

DARULA, S. TWIN system: descriptors for the evaluation of illuminance and irradiance availability. In. *4<sup>th</sup> Slovak/Czech Symposium Theoretical and Experimental Research in Structural Engineering, 14. June 2006, ICA SAS Bratislava*.

JANOTKA, I. Cement suspensions for slurry cut-off walls with ultra fine ground Na-bentonite from Lieskovec and Jelšový Potok deposits. Na *3rd Mid-European Clay Conference, Opatija, Croatia, 18-23 September 2006. Zagreb*.

JANOTKA, I. Mechanical and anti-rust protection of pipe-lines by a 9-mm thick layer of a special cement blend in geosynthetic liner. Na *8th CANMET/ACI International Conference on Recent Advantages in Concrete Technology, Montreal, Canada, 30 May – 3 June 2006*.

JANOTKA, I. Zvyšovanie chemickej odolnosti betónu použitím prísad. Na *2. konferencii Beton v podzemných a základových konštrukciách, Praha, Česká Republika, 15. 2. 2006*.

JERGA J. Assessment of concrete damage. In: *4<sup>th</sup> Slovak/Czech Symposium Theoretical and Experimental Research in Structural Engineering, 14-15, June 2006, Bratislava. ÚSTARCH SAV Bratislava, Slovak Republic, 2006*.

JERGA, J.: Damage detection of SFRC. In: *5<sup>th</sup> International Conference on New Trends in Statics and Dynamics of Buildings, October 19-20, 2006 Bratislava, Slovakia. Faculty of Civil Engineering STU Bratislava, 2006*.

- JERGA, J. Damage assessment of tunnel linings by nonlinear acoustic testing methods. In: *11<sup>th</sup> International Conference Geotechnics 2006, Štrbské Pleso, 20.-22.9.2006*. Faculty of Civil Engineering, TU Ostrava and Faculty B.E.R.G. – TU Košice, 2006.
- JERGA, J. Skúšky mechanických vlastností vláknobetónu. In: *fib – Betón na Slovensku 2002-2006, 5.-6. apríl 2006, Žilina*. Žilinská univerzita v Žiline, Stavebná fakulta, 2006.
- JERGA, J. Stanovenie porušenia betónu pomocou nelineárnych akustických metód. In: *Betonárske dni 2006, 9.-10.11. 2006, Bratislava*. Slovenská technická univerzita, Bratislava, 2006.
- JERGA, J. Testing of mechanical properties of SFRC tunnel linings. In: *11<sup>th</sup> International Conference Geotechnics 2006, Štrbské Pleso, 20.-22.9.2006*. Faculty of Civil Engineering – TU Ostrava and Faculty B.E.R.G. – TU Košice, 2006.
- JERGA, J. Concrete quality detection by acoustic testing methods. In: *Vývojové tendencie v technológii stavieb, 13.-14. septembra 2006, Bratislava*. STU v Bratislave, Stavebná fakulta, 2006.
- JUHÁSOVÁ, E. Combined effects of fibre mortars and reinforced polymers on the seismic capacity of masonry structures. In *1st European Conference on Earthquake Engineering and Seismology, Geneva, Switzerland, 3-8 September 2006*.
- JUHÁSOVÁ, E. Combined effects of fibre mortars and reinforced polymers on the seismic capacity of masonry. In *4th CZ-SK Symposium on Theoretical and Experimental Research in Structural Engineering, Bratislava, 14-15 June 2006*.
- JUHÁSOVÁ, E. Resistance of structures with contribution of fibre materials and shape memory alloys. In *1st European Conference on Earthquake Engineering and Seismology, Geneva, 3-8 September 2006*.
- JUHÁSOVÁ, E. Smart materials and control in construction. In *International Seminar on Full Scale and Model Scale Studies of Dynamic Behaviour and Modal Analysis of Structures, Otmuchow, Poland, 26-29 June 2006* (Invited lecture).
- JUHÁSOVÁ, E. Stone masonry in extreme dynamic conditions, ways of assessment and rehabilitation. In *International Seminar on Full Scale and Model Scale Studies of Dynamic Behaviour and Modal Analysis of Structures, Otmuchow, Poland, 26-29 June 2006* (Invited lecture).
- KITTLER, R. Progressive trends and criteria for the assessment of daylight in interiors. In. *Conf. Vysegrad Countries for Illuminating LUMEN V4, 28. September 2006 Balatonfüred, Maďarsko*.
- KOCIFAJ, M. Radičná bilancia v silne znečistenej prízemnej vrstve atmosféry, (Radiative balance in polluted boundary layer of the atmosphere), In: *Transport of Water, Chemicals and Energy in the Soil-Crop Canopy-Atmosphere System, 9 November, 2006 Bratislava*.
- KORONTHÁLYOVÁ, O. Calculation of heating energy consumption and resultant indoor climate in 1-zone object by integrated simulation model. *Budovy a prostredie 2006, Bratislava, 7. November 2006*.
- KORONTHÁLYOVÁ, O. Determination of moisture buffer ability of 1-zone space. *4th Slovak/Czech symposium. Theoretical and experimental research in structural engineering. ICA SAS Bratislava June, 14 2006*.
- KORONTHÁLYOVÁ, O. Hygroscopicity of carbonated calcium silicate insulation boards. *Thermophysics 2006, seminár pracovnej skupiny Termofyzika, 12. – 13. október 2006, Kočovce*
- KORONTHÁLYOVÁ, O. The determination of the dynamic moisture response of calcium silicate. *The 6th Working meeting of the IEA Annex 41 project: Whole Building Heat, Air and Moisture Response (MOIST-EN). Lyon, October, 25-28 2006*.
- KRAJČI, L. Resistance of cement-bentonite suspension against chemical action of aggressive environment. Na *11th International Conference Geotechnics 2006, Štrbské Pleso, 20-22 September 2006*.
- KRAJČI, L. Sulfate resistance of zeolite-blended Portland cement. Na *4th International Conference on Quality and Reliability in Building Industry, Levoča, 17-19 October 2006*.

- KRIVÁČEK, J. Finite element with linearly varying elastic modulus for buckling analysis of plates. In: 5th International Conference on New Trends in Statics and Dynamics of Buildings, Bratislava, Slovakia, 19-20 October 2006.
- KRIŽMA, M. Deformation Limit State of Built-up Aerated Concrete Linear Members. In: „Statically-constructive and structural-physical problems of building structures“, 29. 11. až 1. 12. 2006, Štrbské Pleso, TU Košice.
- KRIŽMA, M. K problematike pretvárných vlastností pórobetonových prúťových prvkov. In: „Betonárske dni 2006“, 9. a 10. november 2006, Bratislava, SvF STU v Bratislave.
- KRIŽMA, M. Únosnosť a pretvárne charakteristiky oceľových zámkov betónových diaľničných zvodidiel. In „Betón na Slovensku 2002-2006“, 5.-6. apríl 2006, Žilina, NK FIB SR, ŽU v Žiline.
- KRIŽMA, M. Working Characteristics of Cement Composites Containing Plastic Crushed Materials. In: 4<sup>th</sup> Slovak/Czech Symposium on „Theoretical and Experimental Research in Structural Engineering“, 14-15, June 2006, ÚSTARCH SAV Bratislava, Slovakia.
- MATIASOVSKY, P. Application of modal analysis to identification of building thermal parameters. Thermophysics 2006, Kočovce, 12 – 13 October, 2006.
- MATIASOVSKY, P. Critical moisture contents for water and air transport in case of imbibition tests. 3. International Building Physics Conference, Montreal, 27-31 August 2006.
- MATIASOVSKY, P. Critical moisture contents for water and air transport in case of imbibition tests. Building Science Forum 2006, CIB W40 seminar on research on building physics, Syracuse, NY, September 5, 2006.
- MATIASOVSKY, P. Hygrothermal analysis and modelling for a building enclosure, the results of work in IEA Annex 41. Building Science Forum 2006, BETEC seminar on building science applications, Syracuse, NY, September 6, 2006.
- MATIASOVSKY, P. Modelling of local internal surface heat transfer coefficient. 7. Working Meeting of IEA Annex 41 MOIST-ENG, Lyon, 25 – 27 October 2006.
- MATIASOVSKY, P. Sorption isotherms of interior finish materials 7. Working Meeting of IEA Annex 41 MOIST-ENG, Lyon, 25 – 27 October 2006.
- MATIASOVSKY, P. Sorption Isotherms of Interior Finish Materials. *4th Slovak/Czech Symposium Theoretical and Experimental Research in Structural Engineering*, Bratislava, 14-15 June 2006.
- MATIASOVSKY, P. Water vapour production and ventilation regimes in large panel building flats. 7. Working Meeting of IEA Annex 41 MOIST-ENG, Lyon, 25-27 October 2006.
- MORAVČÍKOVÁ, H. Slovak architecture in the second half of the 20th century: on the background of western influences and communist ideology. *Konkurrenzen, Interferenzen, Umbrüche: Architektur, Städtebau und Alltagskultur in Ost- und Westeuropa 1960 – 1989. Medzinárodné sympóziu*, Hamburg, 28. – 29. september 2006.
- NÜRNBERGEROVÁ, T. Working characteristics of cement composites containing zeolite. In: IV. International Scientific Conference Quality and reliability in building industry, Levoča 17. – 19. 10. 2006. Technická univerzita v Košiciach, Stavebná fakulta.
- SADOVSKÝ, Z. Aktualizácia údajov pre zaťaženia snehom na území Slovenska. 4th Slovak / Czech Symposium, Theoretical and Experimental Research in Structural Engineering, June 14-15, 2006, ÚSTARCH SAV Bratislava,
- SADOVSKÝ, Z. Climatic loads and reliability of light roof industrial buildings. In: Safety and Reliability for Managing Risk, European Safety and Reliability Conference (ESREL 2006), Estoril, 18-22 Sept 2006,
- SADOVSKÝ, Z. Spoľahlivosť priemyselných budov s ľahkými strechami. In: Oceľové konštrukcie a mosty. 21. česká a slovenská medz. konf., 20.-23.9.2006, SvF STU Bratislava 2006,
- SLADEK, J. Analysis of thick functionally graded plates by local integral equation method. In 7<sup>th</sup> Int. Conference on Boundary Element Technology, Paris, France, 3-6 September, 2006.

SLADEK, J. Local integral equation method for viscoelastic orthotropic Reissner-Mindlin plates. In *IABEM 2006, Graz, Austria, 10-12 July, 2006*.

SLADEK, J. Local integral equations for crack problems in FGMs by meshless method. In *Composites06, Herrenalb, SRN, 26-29 November, 2006*.

SLADEK, J. Meshless Local Petrov-Galerkin Method for Plane Piezoelectricity. In *2nd ICCES Symposium on Meshless Methods, Dubrovnik, Croatia, 14-16 June, 2006*.

SLADEK, J. Meshless Local Petrov-Galerkin Method for Shallow Shells with Functionally Graded and Orthotropic Material Properties. In *IABEM 2006, Hawaii, USA, 15-19 October, 2006*.

SLADEK, V. A comparative study of meshless approximations in local integral equation method. In *2nd ICCES Symposium on Meshless Methods, Dubrovnik, Croatia, 14-16 June, 2006*.

SLADEK, V. Computation of stresses in non-homogeneous elastic solids by Local Integral Equation method. In *IABEM 2006, Graz, Austria, 10-12 July, 2006*.

ŽIVICA, V. Alkalicky aktivované cementy a betóny environmentálne priaznivé a technicky perspektívne materiály. Na konferencii *Betonárske dni 2006, 9.-10. november 2006, Bratislava, Stavebná fakulta STU Bratislava*,

## 15. Other lectures and posters

ANDRÁŠIOVÁ, K. Šesťdesiate roky v architektúre Slovenska, výskum prostredníctvom autobiografických výpovedí. Prednáška na seminári *Naratívna každodennosť v kontexte historických zlomov v Česku(a)Slovensku po roku 1948, 1968, 1989, 1993, z pohľadu dynamiky vývoja hodnôt*. Ústav etnológie SAV, Klemensova 19, Bratislava, 27. 9. 2006

BÁGEL, L. Zisťovanie pórovej štruktúry cementových kompozitovo a ortuťovou porozimetriou – pre študentov SvF STU Bratislava, katedra materiálového inžinierstva

DARULA, S. CIE Divizia 3. Činnosť. *Seminár Aktuálne otázky hodnotenia denného osvetlenia a preslnenia budov*, In. KKPS SF STU Bratislava, 4. 12. 2006, Slovensko.

DARULA, S. Výpočet svetelnej účinnosti pri podmienkach jasnej oblohy. In. *Kurz osvetľovací techniky XXV. Téměř vše o světle, 17. October. 2006 Kouty nad Desnou, ČR*.

JANOTKA, I. K degradácii charakteristík betónu v podpovrchových líniových konštrukciách vplyvom požiaru. Na konferencii *fib Betón na Slovensku, pri príležitosti 2.fib kongresu-Neapol, Žilina, 5.-6. apríl 2006*.

JUHÁSOVÁ, E. Eurokódy – súčasný stav a perspektívy vývoja z pohľadu SC1. In *Navrhovanie nosných konštrukcií stavieb podľa eurokódov, Bratislava, 15. júna 2006* (pozvaná prednáška).

JUHÁSOVÁ, E. Eurokódy – súčasný stav a perspektívy vývoja z pohľadu SC1. In *Navrhovanie nosných konštrukcií stavieb podľa eurokódov, Košice, 21. júna 2006* (pozvaná prednáška).

JUHÁSOVÁ, E. Eurokódy, súčasný stav a perspektívy vývoja. In *Nové trendy a metódy v navrhovaní konštrukcií, Bratislava, 18.-20. mája 2006* (pozvaná prednáška).

JUHÁSOVÁ, E. Spolupôsobenie konštrukcií s podložíom počas zemetrasenia a dlhoperiódne pohyby vo vzťahu k meraniam náklonu reaktorov JE. In *Seminár Systémy na meranie náklonu jadrových reaktorov v AE Mochovce a AE Bohunice, Smolenice, 1.-2.3.2006* (pozvaná prednáška).

KITTLER, R. Konferencia LUX Europa a LUMEN V4. *Seminár Aktuálne otázky hodnotenia denného osvetlenia a preslnenia budov*, KKPS SF STU Bratislava, 4. 12. 2006, Maďarsko.

KOCIFAJ, M. Fyzikálne princípy rozptylu svetla v atmosfére a ich aplikácia na podmienky dennej a nočnej oblohy (Physical principles of the light scattering in the atmosphere and applications: day-sky and night-sky radiances), In: *Kurz osvetľovací techniky XXV. Téměř vše o světle, 17. October. 2006 Kouty nad Desnou, ČR*.

KOCIFAJ, M. Modelovanie svetelného znečistenia nočnej oblohy. In. *ÚSTARCH SAV – VŠB Ostrava, 19. 12. 2006, Bratislava*.

KRIVÁČEK, J. Zvyšková pevnosť tenkostenných oceľových konštrukcií. In 32. aktív „Uplatňovanie oceľových, oceľobetónových a drevených konštrukcií a mostov vo výstavbe“, Slovenský raj – Čingov, 14.-16. novembra 2006.

## 16. Issued periodicals registered in Current Contents

Engineering Analysis with Boundary Elements Vol. 30 (3), 2006, p. 149-235 – Special Issue on Non-traditional boundary integral formulations – Part II, Guest Editors: V. Sladek and J. Sladek.

## 17. Other issued periodicals

Building Research Journal, ÚSTARCH SAV, 4

Architektúra & Urbanizmus, Architecture & Town planning ÚSTARCH SAV, 4

## 18. Issued or edited proceedings of scientific activities

Advances in Meshless Methods: Proceedings of the 1st international conference on Meshless Methods, June 8 – June 10, 2005, Stara Lesna. Eds. J. Sladek, V. Sladek. Tech. Science Press, Forsyth, USA, 2006. 357 p. ISBN 0-226-64466-9. ISBN 0-9717880-2-2.

4th Slovak/Czech Symposium Theoretical and Experimental Research in Structural Engineering, 14-15, June 2006, Bratislava, Ed. P. Matiašovský, V. Sládek. Bratislava: Ústav stavebníctva a architektúry SAV, 2006, 254 p. ISBN 80-969521-0-2.

### Addendum to year 2005

THERMOPHYSICS 2005: Proceedings of the Meeting of the Thermophysical Society –Working Group of Slovak Physical Society, October 12 - 13, 2005, Kočovce. Ed. P. Matiašovský, O. Koronthályová. Bratislava: Ústav stavebníctva a architektúry SAV, 2005. 92 p. ISBN 80-969434-2-1.

## 19. University textbooks

–

## 20. Scientific works published on internet

### a) in foreign language

DULLA, M. – MORAVČÍKOVÁ, H. – SZALAY, P. Architektúr Archiv Slowakei / Archív architektúry Slovensko. [www.nextroom.at](http://www.nextroom.at)

KORONTHÁLYOVÁ, O. – MATIAŠOVSKÝ, P. – VESELSKÝ, J. – SZABO, D. The determination of the dynamic moisture response of calcium silicate. <http://www.kuleuven.ac.be/bwf/projects/annex41/index.htm>

MATIASOVSKY, P. – TAKACSOVA, Z. Sorption Isotherms of Interior Finish Materials. <http://www.kuleuven.ac.be/bwf/projects/annex41/index.htm>

MIHALKA, P. – MATIASOVSKY, P. – DRZIK, M. Modelling of local internal surface heat transfer coefficient. <http://www.kuleuven.ac.be/bwf/projects/annex41/index.htm>

MIHALKA, P. – MATIASOVSKY, P. Water vapour production and ventilation regimes in large panel building flats. <http://www.kuleuven.ac.be/bwf/projects/annex41/index.htm>

### b) in Slovak language

–

## 21. Translations of scientific and professional texts

CSIZMADY, A. Housing estates: the legacy of socialism, the world of the middle class or the slum of the future? (Slovenské rezumé) In *Architektúra a urbanizmus*, ročník XL, 2006, č. 1-2, s. 37-50. Translation M. TOPOLČANSKÁ.

HELLMAYR, N. Golden Nugget, Graz. In *ARCH o architektúre a inej kultúre*, ročník 11, číslo 2, február 2006, s. 16-19. Translation M. TOPOLČANSKÁ.

MAYR, N. Čerstvý vánok z horného Rakúska. In *ARCH o architektúre a inej kultúre*, ročník 11, číslo 4, apríl 2006, s. 14-17. Translation M. TOPOLČANSKÁ.

MELVIN, J.: ...izmy: Ako rozumieť architektúre. Translation H. MORAVČÍKOVÁ. Bratislava, Slovart 2006, 159 s.

MORAVČÍKOVÁ, H. – DULLA, M. – DORICOVÁ, S. – HABERLANDOVÁ, K. – TOPOLČANSKÁ, M. Panelové sídliská v Bratislave a ich univerzálne a špecifické súvislosti. (Anglické rezumé) In *Architektúra a urbanizmus*, ročník XL, 2006, č. 1-2, s. 73-96. Translation M. TOPOLČANSKÁ.

MOUČKA, J. Regulace v systémech správy území. (Anglické rezumé). In *Architektúra a urbanizmus*, ročník 39, 2005, č. 3-4, s. 165-180. Translation M. TOPOLČANSKÁ.

SZALAY, P. Architekt Vladimír Dědeček (Anglické rezumé). In *Architektúra a urbanizmus*, ročník 39, 2005, č. 3-4, s. 127-148. Translation M. TOPOLČANSKÁ.

TOMÍŠKOVÁ, M. Panelová sídliště v české republice. (Anglické rezumé) Vývoj a výhled do budoucna. In *Architektúra a urbanizmus*, ročník XL, 2006, č. 1-2, s. 51-72. Translation M. TOPOLČANSKÁ.

### **Invitational reviews of manuscripts of monographs and scientific works from abroad, contributions to international conferences, opposing granted projects**

Bágel, L. – review critique for *Building Research Journal*.  
– 1 opponent review of project for APVV

Darula, S. – 2 review critiques for *Solar energy*  
– review critique for *Lighting Research and Technology*

Janotka, I. – 7 review critiques for *CERAMICS – Silikáty*.  
– review critique for *Acta Chimica Slovenica*

Juhásová, E. – 2 review critiques for *BEE*  
– review critique for *Natural Hazards*  
– 2 opponent reviews of project for GA AV ČR  
– 1 opponent review of project for VEGA

Kittler, R. – review critique for *Lighting Research and Technology*

Koronhályová, O. – review critique for *Building Research Journal*

Kriváček, J – 1 opponent review of project for APVV

Križma, M. – 1 opponent review of project for APVV

Matiašovský, P. – 3 opponent reviews for APVV  
– 1 opponent review of project for VEGA  
– 2 opponent reviews of project for GA ČR  
– review critique for *Building Research Journal*  
– 2 review critiques for *Journal of Building Physics*  
– 1 opponent review for Ministerstvo školstva, mládeže a telovýchovy ČR

Mazúch, T. – 1 opponent review of project for VEGA  
– 1 opponent review of project for GA ČR  
– 1 opponent review of project for APVV  
– review critique for *Strojnícky čas*.  
– review critique for *Building Research Journal*  
– review critique for *Journal of Sound and Vibration* (JSV-D-06-00277)

Sadovský, Z. – 1 opponent review of project for GAČR

- Sládek, V. – 1 opponent review of project for APVV  
 – 5 review critiques for *Engineering Analysis with Boundary Elements* (EABE 1643+1678+1710+1746+1750)  
 – review critique for *Acta Metallurgica Slovaca* (NANOVED 2006)  
 – review critique for *Journal of Computer Methods in Applied Mechanics and Engineering* (CMAME-D-06-00025)  
 – 2 review critiques for *Computers, Materials & Continua* (CMC20061023172+0829159)  
 – review critique for CMES 20051011356-966, *CMES: Computer Modeling in Engineering & Sciences*  
 – 2 review critiques for *Engineering Structures* (ENGSTRUCT-D-06-00661+00515)  
 – review critique for *International Journal of Fracture* (FRAC 531)  
 – review critique for *International Journal of Solids and Structures* (IJSS-D-05-00153)  
 – review critique for *ASME Journal of Applied Mechanics*(JAM-06-1094)  
 – review critique for *Journal of Sound and Vibration* (JSV-D-06-00214)  
 – review critique for *MECCANICA* (MECCANICA-1148)  
 – review critique for *Strojnický čas* (SC45-05)

Tesár, A. – 1 opponent review of project for GAČR

Živica, V. – 2 review critiques for TechnoPress.  
 – 1 opponent review of project for APVV.

### Addendum to year 2005

Tesár, A. – 1 opponent review of project for APVV(11/2005)  
 – review critique for *Engineering Structures* (12/2005)

### Citations

BALAS, J. - SLÁDEK, J. - SLÁDEK, V. *Stress Analysis by Boundary Element Methods*, Elsevier, Amsterdam - Bratislava, 1989.

WOS citations: 10

1. Tan A; Hirose S; Zhang Ch; Wang CY  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 610-623
2. Mykhaskiv VV; Stepanyuk OI  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 10, p. 45-64
3. Menshykov OV, Menshykova MV, Wendland WL  
INTERNATIONAL APPLIED MECHANICS 2005, Vol. 41, p. 1324-1329
4. Mykhas'kiv VV, Kalynyak OI  
MATERIALS SCIENCE 2005, Vol. 41, p. 139-149
5. Mikhailov SE  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 1008-1015
6. Giannopoulos GI, Anifantis NK  
INTERNATIONAL JOURNAL OF FRACTURE 2005, Vol 132 p. 349-368
7. Yan XQ  
JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME 2005, Vol. 72 p. 330-340
8. Mikhailov SE  
JOURNAL OF ENGINEERING MATHEMATICS 2005, Vol. 51 p. 283-302
9. Graciani E, Mantic V, Paris F, Blazquez A.  
COMPUTERS & STRUCTURES 2005, Vol. 83 p. 836-855
10. Giannopoulos GI, Anifantis NK  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 2005, Vol. 62 p. 1399-1420

Citations in monographs, textbooks and other publications: 3

1. WEN PH; ALIABADI MH; YOUNG A. 2005. Dual boundary element method for 3D dynamic crack problems. In *Crack Dynamics* (Eds. A. Ivankovic, M. H. Aliabadi) WIT Press, 2005, p. 3-40.
2. MANTIC V; GRACIANI E; PARIS F. 2005. An axisymmetric boundary element analysis of interface cracks in fiber reinforced composites. In *Advances in Boundary Element Techniques VI* (Eds. A. P. Selvadurai, C. L. Tan, M. H. Aliabadi) EC Press, 2005, p. 21-26.
3. MIKHAILOV S. 2005. Boundary-domain integro-differential equation of elastic damage mechanics model of stationary drilling. In *Advances in Boundary Element Techniques VI* (Eds. A. P. Selvadurai, C. L. Tan, M. H. Aliabadi) EC Press, 2005, p. 107-114.

SLADEK, V. - SLADEK, J. Transient elastodynamic three dimensional problems in cracked bodies. In *Applied Mathematical Modelling*. Vol. 8 (1984), p. 2-10.

WOS citations: 1

1. Mykhas'kiv V  
WAVE MOTION 2005, Vol. 41, p. 133-144

Citations in monographs, textbooks and other publications: 1

1. AMADO MENDES P; TADEU A. 2005. 3D elastic scattering by empty cracks using the traction boundary element method. In *Boundary Elements XXVII* (Ed. C.A. Brebbia). Southampton: WIT Press. 2005, p. 383-393.

BALAS, J. - SLADEK, V. - SLADEK, J. The boundary integral equation method for plates resting on two-parameter foundation. In *ZAMM*. Vol. 64 (1984), p. 137-146.

WOS citations: 2

1. Rashed YF  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 859-877
2. Wen PH; Aliabadi MH  
COMPUTERS & STRUCTURES 2005, Vol. 83, p. 870-879

SLADEK, J. - SLADEK, V. The BIE analysis of the Berger equation. In *Ingenieur – Archiv*. Vol. 53 (1983), p. 385-397.

WOS citations: 2

1. Purbolaksono J; Aliabadi MH  
JOURNAL OF ENGINEERING MATHEMATICS 2005, Vol. 51, p. 211-230
2. Chen W; Shen ZJ; Shen LJ, Yuan GW.  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 699-702

SLADEK, J. - SLADEK, V. Dynamic stress intensity factors studied by boundary integro-differential equations. In *International Journal for Numerical Methods in Engineering*. Vol. 23 (1986), p. 919-928.

Citations in monographs, textbooks and other publications: 1

1. WEN PH; ALIABADI MH; YOUNG A. 2005. Dual boundary element method for 3D dynamic crack problems. In *Crack Dynamics* (Eds. A. Ivankovic, M.H. Aliabadi) WIT Press, 2005, p. 3-40.

SLADEK, V. - SLADEK, J. Computational of thermal stresses in quasi-static non-stationary thermoelasticity using boundary elements. In *International Journal for Numerical Methods in Engineering*. Vol. 28 (1989), p. 1131-1144.

WOS citations: 2

1. Hosseini-Tehrani P; Hosseini-Godarzi AR; Tavangar M  
JOURNAL OF THERMAL STRESSES 2005, Vol. 28, p. 267-283
2. Hosseini-Tehrani P; Hosseini-Godarzi AR; Tavangar M  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 232-240

SLADEK, V. - SLADEK, J. On singular boundary integral equations for crack problems. In *Mechanics Research Communications*. Vol. 17 (1990), p. 281-292.

WOS citations: 1

1. Vatul'yan AO; Baranov V

SLADEK, V. - SLADEK, J. Non-singular boundary integral representation of stresses. In *International Journal for Numerical Methods in Engineering*. Vol. 33 (1992), p. 1481-1499.

WOS citations: 1

1. Hayami K  
PUBLICATIONS OF THE RESEARCH INSTITUTE FOR MATHEMATICAL SCIENCES  
2005, Vol. 41, p. 821-842

SLADEK, V. - SLADEK, J. On a new BEM formulation for 3D problems in linear elasticity. In *Engineering Analysis with Boundary Elements*. Vol. 9 (1992), p. 273-275.

WOS citations: 1

1. Niu ZR; Wendland WL; Wang XX; Zhou HL  
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 2005, Vol.  
194, p. 1057-1074

SLADEK, V. - SLADEK, J. - TANAKA, M. Regularization of hypersingular and nearly singular integrals in the potential theory and elasticity. In *International Journal for Numerical Methods in Engineering*. Vol. 36 (1993), p. 1609-1628.

WOS citations: 2

1. Nicolazzi LC; Barcellos CS; Fancello EA; Duarte CAM  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 494-510
2. Johnston PR; Elliott D  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 2005,  
Vol. 62, p. 564-578

TANAKA, M. - SLADEK, V. - SLADEK, J. Regularization techniques applied to boundary element methods. In *Applied Mechanics Review*. Vol. 47 (1994), p. 457-499.

WOS citations: 8

1. Yan ZY; Cui FS; Hung Ch  
COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 97-106
2. Tan A; Hirose S; Zhang Ch, Wang CY  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 610-623
3. Dangla P; Semblat JF; Xiao HH. Delepine N  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA 2005, Vol. 95, p. 1916-  
1927
4. Nicolazzi LC; Barcellos CS; Fancello EA; Duarte CAM  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 494-510
5. Mai-Duy N; Tanner RI  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 210-223
6. Wang J; Tsay TK.  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 241-256
7. Niu ZR; Wendland WL; Wang XX; Zhou HL.  
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 2005, Vol.  
194, p. 1057-1074
8. Buryachenko VA; Pagano NJ  
MATHEMATICS AND MECHANICS OF SOLIDS 2005, Vol. 10, p. 25-62

SLADEK, J. - SLADEK, V. Boundary element analysis for an interface crack between dissimilar elastoplastic materials. In *Computational Mechanics*. Vol. 16 (1995), p. 396-405.

WOS citations: 1

1. Cisilino AP; Ortiz JE  
COMPUTERS & STRUCTURES 2005, Vol. 83, p. 856-869

SLADEK, V. - SLADEK, J. Regularization of hypersingular integrals in BEM formulations using various kinds of continuous elements. In *Engineering Analysis with Boundary Elements*. Vol. 17 (1996), p. 5-18.

WOS citations: 3

1. Tan A; Hirose S; Zhang Ch; Wang CY  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 610-623
2. Dangla P; Semblat JF; Xiao HH; Delepine N  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA 2005, Vol. 95, p. 1916-1927
3. Tan A; Hirose S; Zhang Ch  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 1025-1038

SLADEK, V. - SLADEK, J. Multiple reciprocity method in BEM formulations for solution of plate bending problems. In *Engineering Analysis with Boundary Elements*. Vol. 17 (1996), p. 161-173.

WOS citations: 1

1. Elfelsoufi Z; Azrar L  
COMPUTERS & STRUCTURES 2005, Vol. 83, p. 2632-2649

SLADEK, V. - SLADEK, J. Fundamental solutions of the product of metaharmonic by polyharmonic operators. In *Engineering Analysis with Boundary Elements*. Vol. 17 (1996), p. 1-3.

WOS citations: 1

1. Pavelescu D; Pavelescu G; Gherendi F; Nitu C; Dumitrescu G; Nitu S; Anghelita P  
IEEE TRANSACTIONS ON PLASMA SCIENCE 2005, Vol. 33, p. 1504-1510

SLADEK, V. - SLADEK, J. - TANAKA, M. Evaluation of  $1/r$  integrals in BEM formulations for 3-D problems using coordinate multitransformations. In *Engineering Analysis with Boundary Elements*. Vol. 20 (1997), p. 229-244.

WOS citations: 1

1. Dangla P; Semblat JF; Xiao HH; Delepine N  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA 2005, Vol. 95, p. 1916-1927

SLADEK, J. - SLADEK, V. - FEDELINSKI, P. Contour integrals for mixed-mode crack analysis; effect of nonsingular terms. In *Theoretical and Applied Fracture Mechanics*. Vol. 27 (1997), p. 115-127.

WOS citations: 1

1. Li J; Tan CL; Wang X  
JOURNAL OF PRESSURE VESSEL TECHNOLOGY-TRANSACTIONS OF THE ASME 2005, Vol. 127, p. 457-463

SLADEK, J. - SLADEK, V. Evaluations of the T-stress for interface cracks by the boundary element method. In *Engineering Fracture Mechanics*. Vol. 56 (1997), p. 813-825.

WOS citations: 3

1. Cisilino AP; Ortiz JE  
COMPUTERS & STRUCTURES 2005, Vol. 83, p. 856-869
2. Song CM  
ENGINEERING FRACTURE MECHANICS 2005, Vol. 133, p. 1498-1530
3. Ortiz JE; Cisilino AP  
INTERNATIONAL JOURNAL OF FRACTURE 2005, Vol. 133, p. 197-222

SLADEK, V. - SLADEK, J. *Singular Integrals in Boundary Element Methods*. WIT Southampton & Boston, 1998.

WOS citations: 1

1. Porto PAC; Jorge AB; Ribeiro GO  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 10, p. 65-78

SLADEK, V. - SLADEK, J. Singular integrals and boundary elements. In *Computer Methods in Applied Mechanics and Engineering*. Vol. 157 (1998), p. 251-266.

WOS citations: 2

1. Dangla P; Semblat JF; Xiao HH; Delepine N  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA 2005, Vol. 95, p. 1916-1927
2. Buryachenko VA; Pagano NJ  
MATHEMATICS AND MECHANICS OF SOLIDS 2005, Vol. 10, p. 25-62

SLADEK, V. - SLADEK, J. Displacement gradients in BEM formulation for small strain plasticity. In *Engineering Analysis with Boundary Elements*. Vol. 23 (1999), p. 471-477.

WOS citations: 1

1. Bertoldi K; Brun M; Bigoni D  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 2005, Vol. 64, p. 877-906

ATLURI, S. N. - SLADEK, J. - SLADEK, V. - ZHU, T. The local boundary integral equation (LBIE) and its meshless implementation for linear elasticity. In *Computational Mechanics*. Vol. 25 (2000), p. 180-198.

WOS citations: 4

1. Sellountos EJ; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 859-875
2. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
3. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
4. Cheng YM; Peng MJ  
SCIENCE IN CHINA SERIES G-PHYSICS MECHANICS & ASTRONOMY 2005, Vol. 48, p. 641-657

SLADEK, J. - SLADEK, V. - ATLURI, S. N. Local boundary integral equation (LBIE) method for solving problems of elasticity with nonhomogeneous material properties. In *Computational Mechanics*. Vol. 24 (2000), p. 456-462.

WOS citations: 6

1. Sellountos EJ; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 859-875
2. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
3. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
4. Telukunta S; Mukherjee S  
COMPUTERS & STRUCTURES 2005, Vol. 83, p. 1503-1514
5. Mikhailov SE; Nakhova IS  
JOURNAL OF ENGINEERING MATHEMATICS 2005, Vol. 51, p. 251-259
6. Mikhailov SE  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 1008-1015

SLADEK, J. - SLADEK, V. - KOMPIS, V. - VAN KEER, R. Application of multi-region Trefftz method to elasticity. In *CMES-Computer Modeling in Engr. Sciences*. Vol. 1 (2000), p. 1-8.

WOS citations: 1

1. Oh EH; Imanaka Y; Evans E  
INTERNATIONAL JOURNAL OF TECHNOLOGY ASSESSMENT IN HEALTH CARE 2005, Vol. 21, p. 73-80

SLADEK, V. - SLADEK, J. - ATLURI, S. N. - VAN KEER, R. Numerical integration of singularities in meshless implementation of local boundary integral equations. In *Computational Mechanics*. Vol. 25 (2000), p. 394-403.

WOS citations: 3

1. Sellountos EJ; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 859-875
2. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276  
Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47

SLADEK, V. - SLADEK, J. - TANAKA, M. Numerical integration of logarithmic and nearly logarithmic singularity. In *Applied Mathematical Modelling*. Vol. 25 (2001), p. 901-922.

WOS citations: 2

1. Dangla P; Semblat JF; Xiao HH; Delepine N  
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA 2005, Vol. 95, p. 1916-1927
2. Johnston PR; Elliott D  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 2005, Vol. 62, p. 564-578

SLADEK, J. - SLADEK, V. - ATLURI, S. N. A pure contour formulation for meshless local boundary integral equation method in thermoelasticity. In *CMES-Computer Modeling in Engineering & Sciences*. Vol. 2 (2001), p. 423-434.

WOS citations: 3

1. Sellountos EJ; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 859-875
2. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
3. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47

SLADEK, J. - SLADEK, V. A Trefftz function approximation in local boundary integral equations method. In *Computational Mechanics*. Vol. 28 (2002), p. 212-219.

WOS citations: 3

1. Atluri SN; Shen SP  
ADVANCES IN COMPUTATIONAL MATHEMATICS 2005, Vol. 23, p. 73-93
2. Sellountos EJ; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 859-875
3. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276

Citations in monographs, textbooks and other publications: 1

1. Atluri SN *Methods of Computer modelling in Engineering & the Sciences*, Vol. I, Tech Science Press, Forsyth, GA 2005.

SLADEK, J. - SLADEK, V. - ATLURI, S. N. Application of the local boundary integral equation method to boundary value problems. In *International Applied Mechanics*. Vol. 38 (2002), p. 1025-1043.

WOS citations: 4

1. Sellountos EJ; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 859-875
2. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
3. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
4. Guz AN; Rushchitsky JJ; Chenyshenko IS

SLADEK, J. - SLADEK, V. - Mang, H. A. Meshless formulation for simply supported and clamped plate problems. In *International Journal of Numerical Method in Engineering*. Vol. 55 (2002), p. 359-375.

WOS citations: 4

1. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
2. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
3. Mai-Duy N; Tanner RI  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 210-223
4. Karatson J  
ACTA MATHEMATICA HUNGARICA 2005, Vol. 109, p. 255-259

SLADEK, J. - SLADEK, V. - Mang, H. A. Meshless local boundary integral equation method for plates resting on elastic foundation. In *Computer Methods in Applied Mechanics and Engineering*. Vol. 191 (2002), p. 5943-5959.

WOS citations: 3

1. Atluri SN; Shen SP  
ADVANCES IN COMPUTATIONAL MATHEMATICS 2005, Vol. 23, p. 73-93
2. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
3. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276

Citations in monographs, textbooks and other publications: 1/1

1. Atluri SN *Methods of Computer modelling in Engineering & the Sciences*, vol. I, Tech Science Press, Forsyth, GA 2005.
2. Atluri SN *The Meshless Method (MLPG) for Domain & BIE Discretizations*, Tech Science Press, Forsyth, GA 2004.

SLADEK, J. - SLADEK, V. - VAN KEER, R. Global and local Trefftz boundary integral formulations for sound vibration. In *Advances in Engineering Software*. Vol. 33 (2002), p. 469-476.

WOS citations: 2

1. Atluri SN; Shen SP  
ADVANCES IN COMPUTATIONAL MATHEMATICS 2005, Vol. 23, p. 73-93
2. Qin QH  
STRUCTURAL ENGINEERING AND MECHANICS 2005, Vol. 20, p. 225-239

Citations in monographs, textbooks and other publications: 1/1

1. Atluri SN *Methods of Computer modelling in Engineering & the Sciences*, vol. I, Tech Science Press, Forsyth, GA 2005.
2. Atluri SN *The Meshless Method (MLPG) for Domain & BIE Discretizations*, Tech Science Press, Forsyth, GA 2004.

SLADEK, J. - SLADEK, V. - Mang, H. A. Meshless LBIE formulations for simply supported and clamped plates under dynamic load In *Computer & Structures*. Vol. 81 (2003), p. 1643-1651.

WOS citations: 3

1. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
2. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
3. Liew KM; Cheng YM; Kitipornchai S  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 2005, Vol. 64, p. 1610-1627

SLADEK, J. - SLADEK, V. - VAN KEER, R. Meshless local boundary integral equation method for 2D elastodynamic problems. In *International Journal of Numerical Method in Engineering*. Vol. 57 (2003), p. 235-249.

WOS citations: 3

1. Sellountos EJ; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 859-875
2. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
3. Liew KM; Cheng YM; Kitipornchai S  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 2005, Vol. 64, p. 1610-1627

SLADEK, J. - SLADEK, V. - BAZANT, ZP. Non-local boundary integral formulation for softening damage. In *International Journal of Numerical Method in Engineering*. Vol. 57 (2003), p. 103-116.

WOS citations: 2

1. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
2. Bertoldi K; Brun M; Bigoni D  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 2005, Vol. 64, p. 877-906

SLADEK, J. - SLADEK, V. Application of local boundary integral method in to micropolar elasticity. In *Engineering Analysis with Boundary Elements*. Vol. 27 (2003), p. 81-90.

WOS citations: 3

1. Atluri SN; Shen SP  
ADVANCES IN COMPUTATIONAL MATHEMATICS 2005, Vol. 23, p. 73-93
2. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
3. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276

Citations in monographs, textbooks and other publications: 1

1. Atluri SN *Methods of Computer modelling in Engineering & the Sciences*, vol. I, Tech Science Press, Forsyth, GA 2005.

SLADEK, J. - SLADEK, V. - ZHANG, Ch. Transient heat conduction analysis in functionally graded materials by the meshless local boundary integral equation method. In *Computational Materials Science*. Vol. 28 (2003), p. 494-504.

WOS citations: 3

1. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
2. Qian LF; Batra RC  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 214-226
3. Cox BN; Gao HJ; Gross D; Rittel D.  
JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS 2005, Vol. 53, p. 565-596

SLADEK, J. - SLADEK, V. - KRIVACEK, J. - ZHANG, Ch. Local BIEM for transient heat conduction analysis in 3-D axisymmetric functionally graded solids. In *Computational Mechanics*. Vol. 32 (2003), p. 169-176.

WOS citations: 3

1. Sellountos EJ; Vavourakis V; Polyzos D  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 7, p. 35-47
2. Sellountos EJ; Polyzos D  
COMPUTATIONAL MECHANICS 2005, Vol. 35, p. 265-276
3. Mikhailov SE  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 1008-1015

ZHANG, Ch. - SLADEK, J. - SLADEK, V. Effects of material gradients on transient dynamic mode-III stress intensity factors in a FGM. In *International Journal of Solids & Structures*. Vol. 40 (2003), p. 5251-5270.

WOS citations: 4

1. Schanz M; Antes H; Ruberg T  
COMPUTERS & STRUCTURES 2005, Vol. 83, p. 673-684
2. Wang BL; Mai YW  
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE 2005, Vol. 43, p. 432-446
3. Guo LC; Wu LZ; Sun YG. Ma L.  
ACTA MECHANICA SINICA 2005, Vol. 21, p. 257-266
4. Schanz M; Ruberg T; Struckmeier  
COMPUTATIONAL MECHANICS 2005, Vol. 37, p. 70-77

SLADEK, J. - SLADEK, V. - ZHANG, Ch. A local BIEM for analysis of transient heat conduction with nonlinear source terms in FGMs. In *Engineering Analysis with Boundary Elements*. Vol. 28 (2004), p. 1-11.

WOS citations: 1

1. Mikhailov SE  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 1008-1015

SLADEK, J. - SLADEK, V. - ATLURI, S. N. A pure contour formulation for meshless local boundary integral equation method in thermoelasticity. In *CMES-Computer Modeling in Engineering & Sciences*. Vol. 6 (2004), p. 309-318.

WOS citations: 3

1. Simoes N; Tadeu A  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 9, p. 221-233
2. Ferguson WJ; Palanathakumar B  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 9, p. 201-215
3. Shiah YC; Guao TL; Tan CL  
CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES 2005, Vol. 9, p. 321-338

Citations in monographs, textbooks and other publications: 1

- SHIAH YC; TAN CL. 2005. Fracture mechanics analysis of plane anisotropic bodies with concentrated heat sources using BEM. In *Advances in Boundary Element Techniques VI* (Eds. A. P. Selvadurai, C.L. Tan, M.H. Aliabadi) EC Press, 2005, p. 81-88.

SLADEK, V. - SLADEK, J. - ZHANG, Ch. Local integro-differential equations with domain elements for the numerical solution of partial differential equations with variable coefficient. In *Journal of Engineering Mathematics* Vol. 51 (2004), p. 261-282.

WOS citations: 1

1. Mikhailov SE  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS 2005, Vol. 29, p. 1008-1015

JUHÁSOVÁ, E. Pôsobenie seizmických pohybov na stavebné konštrukcie. Bratislava: VEDA, 1985. 280 p.

Citations in monographs, textbooks and other publications: 9

1. KRÁLIK, J. 2005. Probability Seismic Hazard Loads for Mochovce Site Considering Soil Structure Interaction. In: *Proceedings of the 3<sup>rd</sup> International Conference on Dynamics of Civil Engineering and Transport Structures and Wind Engineering*. May 23-26, 2005, Vrátna, Hotel Boboty, SR. Publisher University in Žilina, Printed by EDIS – Žilina University publisher. First edition – ISBN 80-8070-328-5, s. 66-69
2. KRÁLIK, J. – TÍNES, R. 2005. Seizmická analýza železobetónových rámov s uvažovaním súčiniteľa duktility. In: *Proceedings of the 3<sup>rd</sup> International Conference on Dynamics of Civil Engineering and Transport Structures and Wind Engineering*. May 23-26, 2005, Vrátna, Hotel

- Boboty, SR. Publisher University in Žilina, Printed by EDIS – Žilina University publisher. First edition – ISBN 80-8070-328-5 s. 70-73.
3. KASL, L. – MATERNA, A. – BROŽOVSKÝ, J. 2005. Výzkum účinků technické seismicity na stavební konstrukce v Moravskoslezském kraji. In: *Proceedings of the 3<sup>rd</sup> International Conference on Dynamics of Civil Engineering and Transport Structures and Wind Engineering*. May 23-26, 2005, Vrátna, Hotel Boboty, SR. Publisher University in Žilina, Printed by EDIS – Žilina University publisher. First edition – ISBN 80-8070-328-5. s. 99-104.
  4. KRÁLIK, J. Probability seismic hazard assesment for reliability analysis of NPP in Mochovce locality. In: *4<sup>th</sup> International Conference on "New Trends in Statics and Dynamics of Buildings"*. October 20-21, 2005 Bratislava, SR. Publisher: Slovak University of Technology in Bratislava. (ISBN 80-227-2277-4). s. 223-226. s. 223-226.
  5. KASL, L. – BROŽOVSKÝ, J. – MATERNA, A. Dynamická analýza konstrukce v území zasaženém technickou seizmicitou s užitím spekter odezvy. In: *4<sup>th</sup> International Conference on "New Trends in Statics and Dynamics of Buildings"*. October 20-21, 2005 Bratislava, SR. Publisher: Slovak University of Technology in Bratislava. (ISBN 80-227-2277-4). s. 251-254.
  6. KRÁLIK, J. – TÍNES, R. Seismic analysis of reinforced concrete prefabricated frames considering ductility factor. In: *4<sup>th</sup> International Conference on "New Trends in Statics and Dynamics of Buildings"*. October 20-21, 2005 Bratislava, SR. Publisher: Slovak University of Technology in Bratislava. (ISBN 80-227-2277-4). s. 277-280.
  7. KRÁLIK, J.: Súčasný trendy v navrhovaní seizmicky odolných konštrukcií. In Proc. Sanace a rekonstrukce staveb 2005, 27.konference, Česká stavební společnost WTA CZ, vyd. Reprocentrum Blansko, ISBN 80-02-01-01768-4, p. 389-398.
  8. KRÁLIK, J. – TÍNES, R. Seizmická odolnosť železobetónových konštrukcií s využitím ich plastickej rezervy. In: *Statico-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií VII. konferencia so zahraničnou účasťou 23. -25. 11. 2005 Štrbské Pleso, Vysoké Tatry Technická univerzita v Košiciach, Stavebná fakulta, 2005. ISBN 80-7099-742-7 + CD ISBN 80-8073-404-6, s. 49-50 + 60p./1-8*
  9. DEMJAN, I. – TOMKO, M. Hodnotenie dynamickej odozvy stavebných konštrukcií od účinkov vozidiel cestnej dopravy. In: *Statico-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií VII. konferencia so zahraničnou účasťou 23. -25. 11. 2005 Štrbské Pleso, Vysoké Tatry Technická univerzita v Košiciach, Stavebná fakulta, 2005. ISBN 80-7099-742-7 + CD ISBN 80-8073-404-6, s. 23-24 + 09p/1-6*

JUHÁSOVÁ E. Diagnostika dynamických vlastností konštrukcií. [Výskumná správa], ÚSTARCH SAV, Bratislava, 1987.

Citations in monographs, textbooks and other publications: 1

1. DEMJAN, I. – TOMKO, M. Hodnotenie dynamickej odozvy stavebných konštrukcií od účinkov vozidiel cestnej dopravy. In: *Statico-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií VII. konferencia so zahraničnou účasťou 23. -25. 11. 2005 Štrbské Pleso, Vysoké Tatry Technická univerzita v Košiciach, Stavebná fakulta, 2005. ISBN 80-7099-742-7 + CD ISBN 80-8073-404-6, s. 23-24 + 09p/1-6*

JUHÁSOVÁ, E. – HÁJEK, J. Namáhanie betónových komínov a chladiacich veží pri dynamických účinkoch. Bratislava: VEDA, 1990.

Citations in monographs, textbooks and other publications: 1

1. KRÍŠTOFOVIČ, V. – KOTRASOVÁ, K. Interakcia sústavy komín – valcový základ – podložie pri priečnej rezonancii od odtrhávania vírov. In: *4<sup>th</sup> International Conference on "New Trends in Statics and Dynamics of Buildings"*. October 20-21, 2005 Bratislava, SR. Publisher: Slovak University of Technology in Bratislava. (ISBN 80-227-2277-4). s. 247-250.

JUHÁSOVÁ, E. Analýza priečného kmitania železobetónových montovaných valcových komínov od účinkov vetra. Zborník konferencie "Zaťaženie vetrom stavebných a dopravných konštrukcií". Žilina, Dom techniky ČSVTS Žilina, 1984.

Citations in monographs, textbooks and other publications: 1

1. KRÍŠTOFOVIČ, V. – KOTRASOVÁ, K. Interakcia sústavy komín – valcový základ – podložie pri priečnej rezonancii od odtrhávania vírov. In: *4<sup>th</sup> International Conference on*

KOCIFAJ, M. – DRŽÍK, M. Retrieving the size distribution of microparticles by scanning the diffraction halo with a mobile ring-gap detector, *Journal of Aerosol Science* 28, 797-804, 1997

WOS citations: 1

1. Berrocal, E., Churmakov, D.Yu., Romanov, V.P., Jermy, M.C., Meglinskii, I.V., *Applied Optics* 44, 2519-2529, 2005

SCOPUS citations: 2

1. Veihelmann B.; Sunlight on atmospheric water vapor and mineral aerosol: modeling the link between laboratory data and remote sensing, Radboud University Nijmegen, The Netherlands, ISBN 90-6464-866-2, 2005
2. Berrocal E, Romanov VP, Churmakov DY, Meglinski IV, Low and high orders light scattering within the dispersible media, In: Saratov Fall Meeting 2004: Optical technologies in Biophysics and Medicine VI, Proc. SPIE 5771, ISBN 08194-57523, 74-86, 2005

TESÁR, A. – DRŽÍK, M. Genetic algorithms for dynamic tuning of structures. *Computers & Structures* 57, 287-295, 1995

WOS citations: 1

1. Samarija, P., Macari, E. J., Wathugala, W., *International Journal of Geomechanics* 5, 206-217, 2005

SCOPUS citations: 1

1. Macari, E. J., Samarija, P., Wathugala, W., Selection and calibration of soil constitutive model parameters using genetic algorithms, *Geotechnical Special Publication* 128, 310-332, 2005

LALINSKÝ, T. – DRŽÍK, M. – TOMÁŠKA, M. – KRNÁČ, M. – HAŠČÍK, Š. – MOZOLOVÁ, Ž. – KLASOVITÝ, M. – KOSTIČ, I. Coplanar waveguides supported by InGaP and GaAs/AlGaAs membrane-like bridges, *J. Micromech. Microengn.* 12, 465-469, 2002

WOS citations: 1

1. Pantazis A., Neculoiu, D., Hatzopoulos, Z., Vasilache, D., Lagadas, M., Dragoman, M., Buiculescu, C., Muller, A.: *J. Micromech. Microengn.* 15, S53-S59, 2005.

LALINSKÝ, T. – DRŽÍK, M. – TOMÁŠKA, M. – KOSTIČ, I. – MATAY, L. – MOZOLOVÁ, Ž. – HAŠČÍK, Š. Coplanar waveguide supported by InGaP membrane-like bridge. In: MME 2001. Cork: Ireland's ICT Research Centre, 2001. p. 273-276.

Citations in monographs, textbooks and other publications: 1

1. US. Patent No. PCT/US2004/036265. Inter. Publ. No. WO 2005/045449 A1.

LALINSKÝ, T. – BURIAN, E. – DRŽÍK, M. – HAŠČÍK, Š. – MOZOLOVÁ, Ž. – KUZMÍK, J. Thermal actuation of a GaAs cantilever beam, *J. Micromechanics Microengn.* 10, 293-298, 2000

WOS citations: 1

1. Enikov, E. T., Kedar, S. S., Lazarov, K. V. *J. Microelectromech. Systems*, 14, 788-798, 2005

LALINSKÝ, T. – HAŠČÍK, Š. – MOZOLOVÁ, Ž. – BURIAN, E. – DRŽÍK, M. The improved performance of GaAs micromachined power sensor microsystem, *Sensors & Actuators A* 76, 241-246, 1999

WOS citations: 1

1. Pantazis A., Neculoiu, D., Hatzopoulos, Z., Vasilache, D., Lagadas, M., Dragoman, M., Buiculescu, C., Muller, A.: *J. Micromech. Microengn.* 15, S53-S59, 2005.

LALINSKÝ, T. – HAŠČÍK, Š. – MOZOLOVÁ, Ž. – DRŽÍK, M. – HATZOPOULOS, Z. Micro-machined power sensor microsystem. In: *Proc. of the 9<sup>th</sup> Micromechanics Europe Workshop - MME* 98. Ulwik, p. 139-142, 1998

WOS citations: 1

1. Pantazis A., Neculoiu, D., Hatzopoulos, Z., Vasilache, D., Lagadas, M., Dragoman, M., Buiculescu, C., Muller, A.: *J. Micromech. Microengn.* 15, S53-S59, 2005.

KRIŽMA, M. – PITOŇÁK, A. – NÜRNBERGEROVÁ, T. – HANEČKA, K. Deformations of aerated concrete under long-term load. *Proc. Int. Conference Life Cycle Assessment, Behaviour and Properties of Concrete and Concrete Structures*, 2004, Brno, p. 271-276

Citations in monographs, textbooks and other publications: 2

1. JANOTKA I., KISS Š., PAPAJOVÁ V. Cement-based filler fixed between two geotextile layers (GCBL) for mechanical and corrosion protection of pipe-lines. *Proc. 2<sup>nd</sup> International Symposium Non-Traditional Cement & Concrete*, Brno, June 14-16 2005, Brno University of Technology © V. Bílek and Z. Keršner (eds) 2005, Brno, ISBN 80-214-2853-8, p. 459-469
2. KRAJČI L., JANOTKA I. Degradation of Autoclaved Aerated Concrete at Accelerated Carbonation Attack. In Žilina, Slovakia, October 12- *Proceedings of the 4<sup>th</sup> International Conference „Concrete and Concrete Structures”*13, 2005, FCE, University of Žilina, ISBN 80-8070-462-7, p. 176-183.

PITOŇÁK, A. – KRIŽMA, M. – NÜRNBERGEROVÁ, T. Material characteristics of aerated concrete exposed to climate effects. *Zborník z int. konferencie Staticko-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií*. Tatranská Lomnica, s. 289-294.

Citations in monographs, textbooks and other publications: 1

1. JANOTKA I., KISS Š., PAPAJOVÁ V. Cement-based filler fixed between two geotextile layers (GCBL) for mechanical and corrosion protection of pipe-lines. *Proc. 2<sup>nd</sup> International Symposium Non-Traditional Cement & Concrete*, Brno, June 14-16 2005, Brno University of Technology © V. Bílek and Z. Keršner (eds) 2005, Brno, ISBN 80-214-2853-8, p. 459-469.

KRIŽMA, M. – NÜRNBERGEROVÁ, T. – JERGA, J. – HANEČKA, K. Influence of Long-Term Load and Climate Effects on the Aerated Concrete Properties. In *Building Research Journal*, Vol. 52, No. 4, p. 219-234

Citations in monographs, textbooks and other publications: 1

- 1 KRAJČI L., JANOTKA I. Degradation of Autoclaved Aerated Concrete at Accelerated Carbonation Attack. In *Proceedings of the 4<sup>th</sup> International Conference “Concrete and Concrete Structures”*. Žilina, Slovakia, October 12-13, 2005, FCE, University of Žilina, ISBN 80-8070-462-7, p. 176-183.

KRIŽMA, M. – JERGA, J. – NÜRNBERGEROVÁ, T. – HANEČKA, K. Únosnosť a pretvárne vlastnosti progresívnych zložených pórobetonových prútových prvkov. In *Zborník prednášok „Betonárske dni 2004“, Bratislava, 9. a 10. september 2004*, SvF STU Bratislava, ISBN 80-227-2107-7, s. 113 – 118

Citations in monographs, textbooks and other publications: 2

1. HRONCOVÁ Z., PITÁK V. Strain of Structural Aerated Concrete Members. In *Proceedings of the 4<sup>th</sup> International Conference “Concrete and Concrete Structures”*. Žilina, Slovakia, October 12-13, 2005, FCE, University of Žilina, ISBN 80-8070-462-7, p. 266-271.
2. PITÁK V., HRONCOVÁ Z. Deflection of Structural Aerated Concrete Members. In: *Proceedings of the 4<sup>th</sup> International Conference “Concrete and Concrete Structures”*. Žilina, Slovakia, October 12-13, 2005, FCE, University of Žilina, ISBN 80-8070-462-7, p. 320-324.

KRIŽMA, M. – JERGA, J. – NÜRNBERGEROVÁ, T. – KALINA, P. Serviceability limit states of structural aerated concrete elements. In: *Inžinierske stavby*, Vol. 50, č. 3, 2002, s.12-18

Citations in monographs, textbooks and other publications: 4

1. KRÁLIK J., TINES R. Seismic Analysis of Reinforced Concrete Prefabricated Frames Considering Ductility Factor. In *Proceedings of the 4<sup>th</sup> International Conference on “New Trends in Statics and Dynamics”*. Bratislava, Slovakia, October 20-21, 2005, FCE STU Bratislava, ISBN 80-227-2277-4, p. 277-280.
2. KRÁLIK J., VARGA Z., TINES T. Seismic Analysis of Reinforced Concrete Wall and Frame Interaction in Consideration of Ductility. In *“Eurodyn 2005”*, C. Soize & G. I. Schueller (eds), © 2005 Milpress, Rotterdam, ISBN 90 5966 033 1, p. 1799-1804.
3. KRÁLIK J., TINES R. Analýza seizmickej odolnosti železobetónových rámov s využitím plastickej rezervy podľa Eurokódov. In *Zborník konferencie „Modelování v mechanice“*,

Ostrava, 10. únor 2005, Fs VŠB-TUO, KSM, J. Brožovský (eds), ISBN 80-248-0776-9, s 107-112.

4. KRÁLIK J., TÍNES R. Seizmická analýza železobetónových rámov s uvážením súčiniteľa duktility. In *Proceedings of the 3rd International Conference on Dynamics of Civil Engineering and Transport Structures and Wind Engineering*. 23-26 October 2005, Vrátna, FCE University of Žilina, Department of Structural Mechanics, ISBN 80-8070-352-5, p. 70-73.

JERGA, J. – KRIŽMA, M. – DOJČÁK, J. – FAJFÁR, A. Mechanical properties of the Concrete Reinforced by Steel Fibre Reinforcement. In *Proceedings of the Conference Concrete Days 2002*, Bratislava, 2002, p. 223-228.

Citations in monographs, textbooks and other publications: 1

1. HUĐOBA I., GREŠLÍK P. High performance fibre reinforced concrete as attractive material for container production in radioactive waste management. In *Proceedings fib Symposium "Keep Concrete Attractive"*, Hungarian Academy of Sciences, Hungarian Group of fib, Budapest, 2005, Vol. 1, p. 328-332, Edited by György L. Balázs and Adorján Borosnyói.

JERGA, J. Physico-mechanical properties of carbonated concrete. *Construction and Building Materials*, Vol. 18, No. 9, 2004, p. 645-652.

Citations in monographs, textbooks and other publications: 1

1. KRAJČÍ E., JANOTKA I. Degradation of autoclaved aerated concrete at accelerated carbonation attack. In *Proceedings of the 4th International Conference Concrete and Concrete Structures*, University of Žilina, Žilina, 2005, ISBN 80-8070-462-7, p. 176-183.

JERGA, J. – KRIŽMA, M. – NÜRNBERGEROVÁ, T. – HANEČKA, K. Zložené pórobetónové preklady so zníženou konštrukčnou výškou. In *Zborník z konferencie Betonárske dni 2004*, Stavebná fakulta STU, Bratislava, 2004.

Citations in monographs, textbooks and other publications: 2

1. HRONCOVÁ Z., PITÁK V. Strain of structural aerated concrete members. *Proceedings of the 4th International Conference Concrete and Concrete structures*, Žilina, Slovakia, October 2005, University of Žilina, Faculty of Civil Engineering, ISBN 80-8070-462-7, p. 266-271.
2. PITÁK V., HRONCOVÁ Z. Deflection of structural aerated concrete members. *Proceedings of the 4th International Conference Concrete and Concrete structures*, Žilina, Slovakia, October 2005, University of Žilina, Faculty of Civil Engineering, ISBN 80-8070-462-7, p. 320-324.

TESÁR, A. Effect of diaphragms on distortion vibration of thin-walled box beams. *Computers and Structures*. Vol. 66 (1998), p. 499-507.

WOS citations: 1

1. Liang S, Chen HL, Liang TX  
JOURNAL OF SOUND AND VIBRATION 2005, Vol. 284 (1-2): p. 520-530,

TESÁR, A. Zaťažkávacia skúška Nového mosta cez Dunaj v Bratislave. Technická správa pre Magistrát Hlavného mesta SR Bratislava.

Citations in monographs, textbooks and other publications: 1

1. MELCER J. Spektrálne charakteristiky Nového mosta cez Dunaj v Bratislave. *Proceedings of 4-th International Conference on New Trends in Statics and Dynamics of Buildings*, Slovak University of Technology in Bratislava, 2005, 1-4, ISBN 80-227-2277-4

TESÁR, A. Odľahčovacie zariadenie na Starom moste cez Dunaj v Bratislave. *Projekt a stavba*, 1, 2001.

Citations in monographs, textbooks and other publications: 1

1. BALÁŽ I. Mosty cez Dunaj v Bratislave, 2. časť: Novodobé mosty (r. 1890-2005), *Eurostav*, 2005, Vol. 11.

SADOVSKÝ, Z. Discussion on: An inverse reliability method and its application. In *Structural safety*. Vol. 22 (2000), p. 97-102

WOS citations: 1

1. Minguez R., Castillo E., Hadi  
STRUCTURAL SAFETY 2005, Vol. 27, p. 1-23.

Citations in monographs, textbooks and other publications: 5

- 1 KRÁLÍK J. VI. Konf. Spolehlivost konstrukcí, Dům techniky Ostrava, 2005, ISBN 80-02-01708-0, p. 219.
- 2 KRÁLÍK J. In Proc. International conference VSU' 2005, 26.-27.5.2005, Sofia, eds. Daalov TB, Partov D., Vol. 1 (2005), ISBN 954-331-003-3, p. 53.
- 3 KRÁLÍK J., VARGA T. In 13. ANSYS Users' Meeting, CZ+SVK, 21.-23.9.2005, eds. Schwangmaier J., Stárek J., SVS FEM s.r.o., Brno, p. I-A-10, ISBN 80-239-5675-2
- 4 KRÁLÍK J., SUSKO T. In 13. ANSYS Users' Meeting, CZ+SVK, 21.-23.9.2005, eds. Schwangmaier J., Stárek J., SVS FEM s.r.o., Brno, p. I-A-10, ISBN 80-239-5675-2
5. KRÁLÍK J., VARGA T. In Proc. Mezinárodní conference Modelování v mechanice. FS VŠB TUO, Ostrava-Poruba, 2005, ISBN 80-248-0776-9, s. 113.

SADOVSKÝ, Z. Stochastic resistance of square plate under uniaxial compression In *Engineering structures*. Vol. 19 (1997), p. 827-833.

WOS citations: 1

1. Yang J., Liew KM, Kitipornchai S.  
COMPOSITES SCIENCE AND TECHNOLOGY 2005, Vol. 65, p. 1165-1175

MRÁZIK, A. – SADOVSKÝ, Z. *Katalóg štatistických údajov o medzi klzu, pevnosti v ťahu a ťažnosti ocelí*, ÚSTARCH SAV, Bratislava 1992.

Citations in monographs, textbooks and other publications: 2

1. KALA Z., KALA J., ŠKALOUD M., TEPLÝ B. In *Proc Lightweight Structures in Civil Engineering*, 12.-14. sept. 2005, Wydawnictwo naukowe, Varšava, PL, ISBN-83-908867-9-0, p. 219
2. OMNISHORE A. In *Proc Lightweight Structures in Civil Engineering*, 12.-14. sept. 2005, ed. Obrebski J.B. Wydawnictwo naukowe, Varšava, PL, ISBN-83-908867-9-0, p. 190

SADOVSKÝ, Z. IABSE Colloquium DELF, 1996, p.291

Citations in monographs, textbooks and other publications: 1

1. OMNISHORE A. In *Proc Lightweight Structures in Civil Engineering*, 12.-14. sept. 2005, ed. Obrebski J.B. Wydawnictwo naukowe, Varšava, PL, ISBN-83-908867-9-0, p. 190.

SADOVSKÝ, Z. Journal of Structural Engineering, Vol. 25, no. 1, 1998, p. 31,

Citations in monographs, textbooks and other publications: 1

- 1 OMNISHORE A. In *Proc Lightweight Structures in Civil Engineering*, 12.-14. sept. 2005, ed. Obrebski J.B. Wydawnictwo naukowe, Varšava, PL, ISBN-83-908867-9-0, p. 190.

PÁLEŠ, D. – SADOVSKÝ, Z. *Building research journal*, Vol. 47 (1999), p. 197.

Citations in monographs, textbooks and other publications: 1

- 1 OMNISHORE A. In *Proc Lightweight Structures in Civil Engineering*, 12.-14. sept. 2005, ed. Obrebski J.B. Wydawnictwo naukowe, Varšava, PL, ISBN-83-908867-9-0, p. 190.

MELCHER, J. – SADOVSKÝ, Z. – KALA, Z. – NÁDASKÝ, P. In *Proc SSRC Annual Technical Session & Meeting*, 21.-23. sept. 1998, Atlanta SSRC, 1999, p. 13.

Citations in monographs, textbooks and other publications: 1

- 1 OMNISHORE A., In *Proc Lightweight Structures in Civil Engineering*, 12.-14. sept. 2005, ed. Obrebski J.B. Wydawnictwo naukowe, Varšava, PL, ISBN-83-908867-9-0, p. 190.

SADOVSKÝ, Z. – DRDACKY, M. Thin-Walled Structures, Vol. 36 (2001), p. 247.

Citations in monographs, textbooks and other publications: 1

- 1 NAKAI T., MATSUSHITA H., YAMAMOTO N., Journal of the Japan Society of Naval Architects and Ocean Engineers, Vol. 1, p. 159.

SADOVSKÝ, Z. JCSS Workshop on Reliability Based Code Calibration ETHZ, Zürich, 16P, CD-ROM, [www.jcss.ethz.ch](http://www.jcss.ethz.ch), 2002

Citations in monographs, textbooks and other publications: 1

- 1 KRÁLÍK J., CESNAK J. In *Sanace a rekonstrukce staveb*, 27. konf. 2.-3. november 2005, Brno, eds. Havel M., Drochytka R., Česká stavební společnost WTA CZ, Brno, ISBN 80-02-01768-4, p. 381

SADOVSKÝ, Z. – GUEDES SOARES, C. – TEIXEIRA A. In *Proc 4th Int. Conf. on Thin-Walled Structures*, 22-24 June 2004, Loughborough UK, ed Loughlan J. IoP Publishing, Bristol, 2004, ISBN-0-7503-1006-5, p. 565.

Citations in monographs, textbooks and other publications: 1

- 1 KALA Z., KALA J., ŠKALOUD M., TEPLÝ B. In *Proc Lightweight Structures in Civil Engineering*, 12.-14. sept. 2005, Wydawnictwo naukowe, Varšava, PL, ISBN-83-908867-9-0, p. 219

SADOVSKÝ, Z. – TEIXEIRA, AP – GUEDES SOARES, C. *Thin-Walled Structures*, Vol. 15 (2005), p.95.

Citations in monographs, textbooks and other publications: 1

- 1 KALA Z, KALA J, MELCHER J., ŠKALOUD M. In *Proc Computational Plasticity Complas. VIII part-2*, eds. Owen DRJ, Onate E., Suarez B., Cimne, Barcelona, 2005, p. 918

KOMLOS, K. – POPOVICS, S. – NÜRNBERGEROVA, T. – BABAL, B. – POPOVICS, JS  
Ultrasonic pulse velocity test of concrete properties as specified in various standards. In *Cement & Concrete Composites*. Vol. 18 (1996), p. 357-364.

WOS citations: 3

1. Berriman J., Purnell P., Hutchins DA, Neild A.  
ULTRASONICS 2005, Vol. 43, p. 211-217.
2. Bouhadjera A., Bouzrira C.  
NDT & E INTERNATIONAL 2005, Vol. 38, p. 135-142.
3. Blum F., Jarzynski J., Jacobs LJ  
NDT & E INTERNATIONAL 2005, Vol. 38, p. 634-642.

SCOPUS citations: 1

1. Mohamed Firdows MZ, Chellapan A., Prabhakar J., Srinivasan P.  
INDIAN CONCRETE JOURNAL 2005, Vol. 79, p. 41-46

KOMLOS, K. – BABAL, B. – NURNBERGEROVA, T. Hybrid fibre-reinforced concrete under repeated loading. In *Nucl Eng Des* Vol. 156 (1995), p. 195–200.

WOS citations: 2

1. Song PS, Wu JC, Hwang S., Sheu BC  
CONSTRUCTION AND BUILDING MATERIALS 2005, Vol. 19, p. 1-9.
2. Banthia N, Soleimani SM  
ACI MATERIALS JOURNAL 2005, Vol. 102, p. 382-389.

BÁGEL, Ľ. – ŽIVICA, V. Relationship between pore structure and permeability of hardened cement mortars. On the choice of effective pore structure parameter. In *Cement and Concrete Research*, Vol. 27, (1997), p. 1225-1235

WOS citations:2

1. Amiri O; Ait-Mokhtar A; Sarhani M  
Advances in Cement Research, 2005, Vol. 17, p. 39-45
2. Bochen J; Gil S; Szwabowski J  
Cement and Concrete Composites, 2005, Vol. 27, p. 769-775

DAN, E. – JANOTKA, I. Chemical resistance of Portland cement, blast-furnace slag Portland cement and sulphoaluminate-belite cement in acid, chloride and sulphate solution: Some preliminary results. In *CERAMICS-Silikáty*, Vol. 47, no.4, 2003, p.137-144.

WOS citations: 1

1. Palou, M. – Majling, J. – Doval, M. – Kozánková, J. – Mojumdar, S. C.  
Ceramics-Silikáty 2005, Vol. 49, no. 4, p. 230-236

DANANAJ, I. – FRANKOVSKÁ, J. – JANOTKA, I. The influence of smectite content on microstructure and geotechnical properties of calcium and sodium bentonites. In *Applied Clay Science*, Vol. 28, no. 1-4, 2005, p. 223-232.

WOS citations: 1

1. Bekkour, K. – Leyama, A. – Benchabane, A. – Scrivener, O.  
Journal of Rheology 2005, Vol. 49, no. 6, p. 1329-1345

JANOTKA, I. – BÁGEL, Ľ. Pore structures, permeabilities and compressive strengths of concrete at temperatures up to 800 °C. In *ACI Materials Journal*, Vol. 99, no. 2, 2002, p. 196-200.

WOS citations: 1

1. Chung, J. H. – Consolazo, G. R.  
Cement and Concrete Research 2005, Vol. 35, no. 3, p. 597-608

JANOTKA, I. – KRAJČI, Ľ. Resistance to freezing and thawing of mortar specimens made from sulphoaluminate-belite cement. In *Bulletin of Material Science*, Vol. 23, no. 6, 2000, p. 521-527.

WOS citations: 1

1. Mojumdar, S.C. – Raki, L.  
Journal of Thermal Analysis and Calorimetry 2005, Vol. 82, no. 1, p. 89-95

JANOTKA, I. – KRAJČI, Ľ. An experimental study on the upgrade of sulfoaluminate-belite cement systems by blending with Portland cement. In *Advances in Cement Research*, Vol. 11, no. 1, 1999, p. 35-41.

WOS citations: 1

1. Palou, M. – Majling, J. – Doval, M. – Kozánková, J. – Mojumdar, S.C.  
Ceramics-Silikáty 2005, Vol. 49, no. 4, p. 230-236

JANOTKA, I. – KRAJČI, Ľ. – DZIVÁK, M. Properties and utilization of zeolite-blended Portland cements. In *Clays and Clay Minerals*, Vol. 51, no. 6, 2003, p. 616-624.

WOS citations: 1

1. Perraki, T. – Kakkali, G. – Kontori, E.  
Journal of Thermal Analysis and Calorimetry 2005, Vol. 82, no. 1, p. 109-113

Citations in monographs, textbooks and other publications: 1

1. Nürnbergerová, T. – Križma, M.  
Zborník zo 7. konferencie so zahraničnou účasťou Staticko-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií 2005, Štrbské Pleso, p. 32/1–32/5

JANOTKA, I. – KRAJČI, Ľ. – RAY, A. – MOJUMDAR, S. C. The hydration phase and pore structure formation in the blends of sulfoaluminate-belite cement with Portland cement. In *Cement and Concrete Research*, Vol. 33, no. 4, 2003, p. 489-497.

WOS citations: 1

1. Doval, M. – Palou, M. – Kovár, V.  
Ceramics-Silikáty 2005, Vol. 49, no. 2, p. 104-108

JANOTKA, I. – MOJUMDAR, S. C. Hydration of Portland cement, natural zeolite mortar in water and sulphate solution. In *Materiales de Construcción*, Vol. 53, no. 269, 2003, p. 17-27.

WOS citations: 1

1. Blanco-Varela, M.T. – Martínez-Ramírez, S. - Gener, M. – Vázquez, T.  
Materiales de Construcción 2005, Vol. 55, no. 280, p. 27-42

JANOTKA, I. Využitie prírodného zeolitu v stavebníctve-aplikácie v cementových kompozitoch a geotechnickej syntetickej rohoži. In Zborník zo seminára Prírodné a syntetické zeolity-súčasný stav poznatkov z výskumu a aplikácie na Slovensku 2003, Fakulta chemickej a potravinárskej technológie STU Bratislava, s.1-9.

Citations in monographs, textbooks and other publications: 1

1. Krajčí, E. – Špaček, A.  
Inžinierske stavby 2005, roč. 53, č. 3-4, s. 4-7

JANOTKA, I. The influence of zeolitic cement and sand on resistance of mortar subjected to hydrochloric acid solution attack. In *CERAMICS-Silikáty*, Vol.43, no.2, 1999, p.61-66.

Citations in monographs, textbooks and other publications: 2

1. Nürnbergrová, T. – Križma, M.  
Zborník zo 7. konferencie so zahraničnou účasťou Staticko-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií 2005, Štrbské Pleso, p.32/1–32/5
2. Špaček, A.  
Geotechnika 2005, Vol. 8, no. 4, p. 18-25

JANOTKA, I. – MADEJOVÁ, J. – ŠTEVULA, L. – FRŤALOVÁ, D. Behaviour of Ca(OH)<sub>2</sub> in the presence of the set styrene-acrylate dispersion. In *Cement and Concrete Research*, Vol.26, no.11, 1996, p.1727-1735.

Citations in monographs, textbooks and other publications: 1

1. Gomes, C.E.M. – Ferreira, O.P. – Fernandes, M.R.  
Materials Research 2005, Vol. 8, no. 1, p. 51-56

JANOTKA, I. – KRAJČI, E. Accelerated tests of mortar carbonation. In *Proc. of the International Expercentrum Conference on Non-Destructive Testing and Experimental Stress Analysis of Concrete Structures* 1998, Košice, p.135-140.

Citations in monographs, textbooks and other publications: 2

1. Jerga, J. – Pokorný, M.  
Proc. of the 4th International Conference on New Trends in Statics and Dynamics of Buildings 2005, Bratislava, p. 57-60
2. Pokorný, M. – Jerga, J.  
Zborník zo 7. konferencie so zahraničnou účasťou Staticko-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií 2005, Štrbské Pleso, p. 37/1–37/7

JANOTKA, I. – KRAJČI, E. Concrete deterioration determined by four stages of carbonation. In *Proc. of the 13th FIP Congress on Challenges for Concrete in the Next Millennium* 1998, Amsterdam, p.1051-1054.

Citations in monographs, textbooks and other publications: 1

1. Križma, M. – Nürnbergrová, T. – Valášek, J.  
Proc. of the 4th International Conference on Concrete and Concrete Structures 2005, Žilina, p. 190-197

JANOTKA, I. – KRAJČI, E. Chemical resistance of cement-bentonite suspension for slurry cut-off wall. In *Acta Mineralogica-Petrographica* 2004, Vol. 4, p. 51.

Citations in monographs, textbooks and other publications: 1

1. Špaček, A.  
Geotechnika 2005, Vol. 8, no. 4, p. 18-25

JANOTKA, I. – NURNBERGEROVÁ, T. – NAD, L. Behaviour of high-strength concrete with dolomitic aggregate at high temperatures, Magazine of Concrete Research, Vol. 52, 2000, No. 6, p. 399-409

Citacia z WOS: 1

- 1 Mojumdar, S.C., Raki, L.: Preparation and properties of calcium silicate hydrate poly (vinyl alcohol) nanocomposite materials. *Journal of Thermal Analysis and Calorimetry*, Vol. 82, 2005, No. 1, p. 89-95

KRAJČI, E. – JANOTKA, I. Measurement techniques for rapid assessment of carbonation in concrete. In *ACI Materials Journal*, Vol. 97, no. 2, 2000, p. 168-171.

Citations in monographs, textbooks and other publications: 4

1. Križma, M. – Nürnbergrová, T. – Valášek, J.

- Proc. of the 4th International Conference on Concrete and Concrete Structures 2005, Žilina, p. 190-197
2. Jerga, J. – Pokorný, M.  
Proc. of the 4th International Conference on New Trends in Statics and Dynamics of Buildings 2005, Bratislava, p. 57-60
  3. Pokorný, M. – Jerga, J.  
Zborník zo 7. konferencie so zahraničnou účasťou Staticko-konštrukčné a stavebno-fyzikálne problémy stavebných konštrukcií 2005, Štrbské Pleso, p. 37/1 – 37/7
  4. Jerga, J. – Pokorný, M.  
Slovak Journal of Civil Engineering 2005, Vol. 13, no. 2, p. 5-8

KRAJČI, E. Mortars with zeolite-blended Portland cements and their significance. In *Proc. of the International Conference on Life Cycle Assessment, Behaviour and Properties of Concrete 2004*, Brno, p.247-253.

Citations in monographs, textbooks and other publications: 2

1. Špaček, A.  
Geotechnika 2005, roč. 8, no. 1, p. 8-14
2. Špaček, A.  
Geotechnika 2005, roč. 8, no. 4, p. 18-25

KRAJČI, E. Assessment of the steel electrochemical conditions in sulfoaluminate-belite and Portland cement systems. In *Proc. of the 3rd International Conference on Material Problems in Civil Engineering 2000*, Cracow, p. 179-185.

Citations in monographs, textbooks and other publications: 2

1. Janotka, I. – Kišš, Š. – Papajová, V.  
Proc. of the 2nd International Symposium on Non-Traditional Cement and Concrete 2005, Brno, p.459-469
2. Špaček, A.  
Geotechnika 2005, Vol. 8, no. 4, p. 18-25

KRAJČI, E. The reliability of potentiodynamic method in monitoring of steel corrosion in concrete. In *Proc. of the 1st International Conference on Quality and Reliability in Building Industry 1999*, Levoča, p.265-270.

Citations in monographs, textbooks and other publications: 1

1. Janotka, I. – Kišš, Š. – Papajová, V.  
Proc. of the 2nd International Symposium on Non-Traditional Cement and Concrete 2005, Brno, p. 459-469

MOJUMDAR, S. C. – JANOTKA, I. Acid solution attack on zeolite-filled Portland cement. In *Proc. of the 21st International Conference on Cement and Concrete Science 2001*, Aberdeen, Session: Miscellaneous.

Citations in monographs, textbooks and other publications: 1

1. Špaček, A.  
Geotechnika 2005, Vol. 8, no. 4, p. 18-25

MRAVEC, D. – HUDEC, J. – JANOTKA, I. Some possibilities of catalytic and non-catalytic utilization of zeolites. In *Chemical Papers*, Vol. 59, no. 1, 2005, p. 62-69.

Citations in monographs, textbooks and other publications: 1

1. Krajči, E. – Špaček, A.  
Inžinierske stavby 2005, roč. 53, č. 3-4, s. 4-7

ŽIVICA, V. – KRAJČI, E. – BÁGEE, E. – VARGOVÁ, M.: Significance of the ambient temperature and the steel material in the process at concrete reinforcement corrosion. In *Construction and Building Materials*, Vol. 11, 1997, no. 2, p. 99-103

WOS citations: 1

1. Lyons, R., Ing, M., Austin, S.  
*Corrosion Science* Vol. 47, no. 2, 2005, p. 413-433

ŽIVICA, V. Alkali-silicate admixture for cement composites incorporating pozzolana or blast furnace slag. In *Cement and Concrete Research*, Vol. 23, No. 5, 1993, p. 1215-1222

WOS citations: 1

1. Mymrin, V. A., Ponte HA, Ponte, M. J. J. S., Maul, A. M.  
*Material and Structures /Materiaux et Constructions*, Vol. 38. no. 275, 2005, p. 107-113

ŽIVICA, V. – BAJZA, A. Acidic attack of cement based materials. Part 1. Principle of acidic attack, (2001) *Construction and Building Materials*, 15(8), p. 331-340

SCOPUS citations: 1

1. Islam, M.N., Zain M.F.M., Basri, H.  
*Computers and Concrete* Vol. 47, No. 2, 2005, p. 293-207

Citations in monographs, textbooks and other publications: 2/1

1. Balkovic, Drábik, M.: Síranové poškodenie betónov a mált, *Betón*, 2005, p. 24-28
2. Pavlík, V. Vplyv kyslých agresívnych prostredí na stavebné materiály na báze cementu a vápna, *Edícia vedeckých prác*, STU v Bratislave, Stavebná fakulta. Slovenská republika, 2005, Zošit č.27
3. Balkovic, S., Drábik, M. Taumazitová forma síranového napadnutia, *Inžinierské stavby*, roč. 52, 2004

ŽIVICA, V. Utilization of electrical resistance method for the evaluation of the state of steel reinforcement in concrete and the rate of its corrosion. *Construction and Building Materials*, 14 (6-7), 2000, p.351-358

SCOPUS citations: 1

1. Kosior-Kazberuk, M., Jezierski, W.  
*Journal of Civil Engineering and Management*, 11 (2), 2005, p. 109-114

ŽIVICA, V. Resistance of cement mortars containing heavy metal oxides exposed to longterm repeated action of chloride solution, *Construction and Building Materials*, 1996, 10 (7), p. 515-519

SCOPUS citations: 1

1. Minocha, A.K., Aggrawal, L.K., Singh, J., Goel, M., Kumar, P.  
*Indian Journal of Environmental Protection* 25 (4), 2005, p. 365-368

JAMBOR, V. – ŽIVICA, V. Investigation of the relative durability of hydration products of cements against corrosion due to aggressive CO<sub>2</sub> water. In *Termochimica Acta* 1985, Vol. 93, p. 605-608.

Citations in monographs, textbooks and other publications: 1

1. Janotka, I. – Krajčí, Ľ. – Mojumdar, S. C.  
*Building Research Journal* 2005, Vol. 53, no. 2-3, p. 121-136

ŽIVICA, V. – BAJZA, A. Acidic attack of cement- based materials – a review. Part 2. Factors of rate of acidic attack and protective measures. *Construction and Building Materials*, 2002, 16, p. 215-222

Citations in monographs, textbooks and other publications: 2/1

1. Balkovic, Drábik, M.: Síranové poškodenie betónov a mált, *Betón*, 2005, p. 24-28
2. Pavlík, V. Vplyv kyslých agresívnych prostredí na stavebné materiály na báze cementu a vápna, *Edícia vedeckých prác*, STU v Bratislave, Stavebná fakulta. Slovenská republika, 2005, Zošit č. 27
3. Balkovic, S., Drábik, M.: Taumazitová forma síranového napadnutia, *Inžinierské stavby*, roč. 52, 2004, p. 3-4

ŽIVICA, V. – VARGOVÁ, M. Vplyv prímеси kremičitého úletu na vlastnosti cementových kompozitov; II. Korózna odolnosť. *Stavebnícky časopis*, roč. 41, č. 3, 1993, s. 205-221

Citations in monographs, textbooks and other publications: 1

1. Pavlík, V. Vplyv kyslých agresívnych prostredí na stavebné materiály na báze cementu a vápna, *Edícia vedeckých prác*, STU v Bratislave, Stavebná fakulta. Slovenská republika, 2005, Zošit č.27

ŽIVICA, V. Procesy chemickej degradácie betónových konštrukcií vyvolávajúce potrebu sanácie. In: *Zborník prednášok zo seminára Sanácia betónových konštrukcií*. Združenie pre sanáciu betónových konštrukcií, Bratislava, 1997, s. 18-29

Citations in monographs, textbooks and other publications: 1

1. Pavlík, V. Vplyv kyslých agresívnych prostredí na stavebné materiály na báze cementu a vápna, *Edícia vedeckých prác*, STU v Bratislave, Stavebná fakulta. Slovenská republika, 2005, Zošit č. 27

ŽIVICA, V. Experimental principles in the research of chemical resistance of cement based materials, *Construction and Building Materials*, Vol. 12, 1998, p. 365-371

Citations in monographs, textbooks and other publications: 1

1. Pavlík, V. Vplyv kyslých agresívnych prostredí na stavebné materiály na báze cementu a vápna, *Edícia vedeckých prác*, STU v Bratislave, Stavebná fakulta. Slovenská republika, 2005, Zošit č.27

BARTZOKAS, A. – DARULA, S. – KAMBEZIDIS, H. – KITTLER, R. Sky luminance distribution in Central Europe and the Mediterranean during winter period. In: *Journal of atmospheric and solar-terrestrial physics*, 2003, Vol. 65, Iss. 1, p. 113-119.

WOS citations: 1

1. LI, D.H.W., – CHEUNG, G.H.W. Study of models for predicting the diffuse irradiance on inclined surfaces. In: *Applied Energy*, 2005, Vol. 81, Iss. 2, p. 170-186.

DARULA, S. New measured method of the diffuse light transmittance. In: *Building Research Journal*, 2003, Vol. 51, no. 1-2, p. 1 -8.

Citations in monographs, textbooks and other publications: 3

1. PLCH, J. – MOHELNÍKOVÁ, J. Hodnocení světelné účinnosti světlovodu. In: *CD Proc. Conf. Light 2005*, Jasná 2005, p. 179-182.
2. PLCH, J. – MOHELNIKOVA, J. Light guides – daylight and energy saving systems. In: *Proc. Conf. Lux Europa 2005*, 19.-21. 9. 2005 Berlin, LiTG Berlin, p. 259-261
3. PLCH, J. – MOHELNIKOVA, J. Měření jasů stropního difuzoru světlovodu. In: *Proc. Kurz osvětlovací techniky XXIV*, Kouty nad Desnou 2005, p. 219-221.

JANÁK, M. – HRAŠKA, J. – DARULA, S. Modelling lighting control in Bratislava luminous climate. In: *Proc. of the Int. Symposium of CIB W67 on energy and mass flow in the live cycle of buildings*, Vienna 1996, p. 423-428.

Citations in other sources: 1

1. STRInet. In: [http://www.strinet.sk/buxus/generate\\_page.php?page\\_id=114](http://www.strinet.sk/buxus/generate_page.php?page_id=114), cited 2005

DARULA, S. – KITTLER, R. – KAMBEZIDIS, H. – BARTZOKAS, A. Guidelines for more realistic daylight exterior conditions in energy conscious designs. Computer adaptation and examples. SK-GR 013/98, ICA SAS Bratislava, NOA Athens 2000. p. 34.

Citations in monographs, textbooks and other publications: 1

1. LOOMANS, M. – BLUYSSSEN, P.M. PeBBu Performance-Based Building. Indoor Environment. PeBBu Domain 2. Final domain report, TNO Built Environment and Geosciences, The Netherlands, October 2005, p. 257.

Citations in other sources: 2

1. LOOMANS, M. – BLUYSSSEN, P.M. PeBBu Performance-Based Building. 2<sup>nd</sup> Domain Indoor Environment. Domain report and Contribution to the international state-of-the-art report, Version 2, TNO Built Environment and Geosciences, Delft, May 2004, p.178. In: [http://cibworld.xs4all.nl/pebbu\\_dl/maincomponents/scientificdomains/domain2/meetingsdocuments/downloads/D2report\\_v2.pdf](http://cibworld.xs4all.nl/pebbu_dl/maincomponents/scientificdomains/domain2/meetingsdocuments/downloads/D2report_v2.pdf).
2. SUCHÁNEK, P. Obloha jako vstupní parametr pro výpočet denního osvětlení. In: [http://www.fce.vutbr.cz/veda/dk2004texty/pdf/01\\_Pozemni%20stavitelstvi/1\\_03\\_Prostred i%20v%20budovach/Suchanek\\_Petr.pdf](http://www.fce.vutbr.cz/veda/dk2004texty/pdf/01_Pozemni%20stavitelstvi/1_03_Prostred_i%20v%20budovach/Suchanek_Petr.pdf)

DARULA, S. – KITTLER, R. – KMEŤO, P. New CIE General Sky defining luminance distributions. In: *Proc. Int. Conf. Sustainable building and solar energy*: TU Brno 2001, p. 52-54.

WOS citations: 1

1. KOBAY, M.B. – BIZJAK, G. *Development of a substitutive light source for indoor daylight calculations*. In. *Building and Environment*, 2005, Vol. 40, Iss. 12, p. 1611-1618.

Citations in monographs, textbooks and other publications: 1

1. KOBAY, M. – BIZJAK, G. *Developing substitutive light source for indoor daylight calculations*. In. *Proc. Conf. Lux Europa 2005*, Berlin 2005, p. 238 – 241.

DARULA, S. – KITTLER, R. – KAMBEZIDIS, H. D. – BARTZOKAS, A. *Reference daylight conditions for the energy-saving design in buildings*. GR-SK 013/98 Final report, ICA SAS, Bratislava/NOA, Athens, 2001, p. 174.

WOS citations: 1

1. MARKOU, M.T. – KAMBEZIDIS, H.D. – BARTZOKAS, A. – KATSOULIS, B. D. – MUNEER, T. *Sky type classification in Central England during winter*. In. *Energy*, 2005, Vol. 30, Iss. 9, p. 1667-1674.

DARULA, S. – KITTLER, R. CIE General Sky standard defining luminance distributions. *The bi-annual conference of IBPSA Canada eSim 2002*. In.

<http://www.esim.ca/2002/documents/Proceedings/other2.pdf>, cited 2002.

Citations in monographs, textbooks and other publications: 2

1. KUAN, S. L. *Best-fit standard distribution for Singapore sky*. Research Report. Fulfillment of the requirements for Independence Study Module (ISM) AR5554 Computer Aided Lighting Design. School of Design and Environment, Department of Architecture, National University of Singapore, 4 April 2005, p. 42.
2. MARDALJEVIC, J. *Sky model blends for predicting internal illuminances: A comparison against measured sky luminance distributions*. In. *Proc. Conf. Lux Europa 2005*, Berlin 2005, p. 249 – 253.

Citations in other sources: 1

1. MINARIK, P. – FORMANEK, J. *Precomputed radiance transfer*. Advanced Global Illumination Project. In. <http://swap.poupe.net/gi/>, cited 2005.

DARULA S. – KITTLER, R. *Sunshine duration and daily courses of illuminances in Bratislava*. In *International Journal of Climatology*. Vol. 24, Iss. 14, 2004, p. 1777–1783.

Citations in monographs, textbooks and other publications: 1

1. LOOMANS, M. – BLUYSSSEN, P.M. *PeBBu Performance-Based Building*. Indoor Environment. PeBBu Domain 2. Final domain report, TNO Built Environment and Geosciences, The Netherlands, October 2005, p. 257.

DARULA, S. – KITTLER, R. – KAMBEZIDIS, H., – BARTZOKAS, A. *Generation of a Daylight Reference Year for Greece and Slovakia*. SK-GR 004/01 Project, Final Report, Bratislava June 2004, p. 51.

Citations in monographs, textbooks and other publications: 3

1. PLCH, J. – MOHELNÍKOVÁ, J. *Hodnocení světelné účinnosti světlovodu*. In. CD Proc. Conf. Light 2005, Jasná 2005, p. 179-182.
2. PLCH, J. – MOHELNIKOVA, J. *Light guides – daylight and energy saving systems*. In. *Proc. Conf. Lux Europa 2005*, Berlin 2005, p. 259 – 261.
3. LOOMANS, M. – BLUYSSSEN, P.M. *PeBBu Performance-Based Building*. Indoor Environment. PeBBu Domain 2. Final domain report, TNO Built Environment and Geosciences, The Netherlands, October 2005, p. 257.

DARULA, S. – KITTLER, R. – GUEYMARD, CH., A. *Reference luminous solar constant and solar luminance for illuminance calculations*. *Solar Energy*, 2005, Vol. 79, Iss. 5, p. 559-565

Citations in monographs, textbooks and other publications: 1

1. LOOMANS, M. – BLUYSSSEN, P.M. *PeBBu Performance-Based Building*. Indoor Environment. PeBBu Domain 2. Final domain report, TNO Built Environment and Geosciences, The Netherlands, October 2005, p. 257.

KITTLER, R. An historical review of methods and instrumentation for experimental daylight research by means of models and artificial skies: Proc. of the 14<sup>th</sup> CIE session, Brussels, 1959.

*Citations in monographs, textbooks and other publications:* 1

1. BOARD, M. – DENEYER, A. – DE HERDE, A. The new Belgian single – patch sky and sun simulator and irs validation. In. *Proc. Conf. Lux Europa 2005*, Berlin 2005, p. 214 – 217.

KITTLER, R. Standardisation of the outdoor conditions for the calculation of the Daylight Factor with clear skies. In. *Proc. Conference on Sunlight in Buildings*, 1967, p. 273-286

*WOS citations:* 1

1. PAGE, J. *First conference on measurement and modeling of solar radiation and daylight "Challenges for the 21st Century"* Napier University, Edinburgh, 15-16 September 2003. In. *ENERGY*, 2005, Vol. 30, Iss. 9, p. 1501-1515.

KITTLER R. – KITTLEROVÁ, L.: *Návrh a hodnotenie denného osvetlenia*, Bratislava: Slovenské vydavateľstvo technickej literatúry, 1968

*Citations in other sources:* 1

1. [http://www.svf.tuke.sk/pracoviska/kkps/publikacie/lopusniak\\_01.pdf](http://www.svf.tuke.sk/pracoviska/kkps/publikacie/lopusniak_01.pdf)

KITTLER, R. Luminance Models of Homogeneous Skies for Design and Energy Performance Predictions. *International Daylight Conference*, 1986.

*Citations in other sources:* 1

1. ESTRELLA, A.E. – LÓPEZ, P.G. – PÉREZ, E.H. Estudio de la luminancia cenital en el cielo de Valencia. *CIE Midterm Meeting, XXI Simposium Internacional de Alumbrado*, León 2005. In. [http://www.ceisp.com/simposium/pdf/simposiumCIE\\_Leon/ponencias/059luminancia.pdf](http://www.ceisp.com/simposium/pdf/simposiumCIE_Leon/ponencias/059luminancia.pdf), cited 2005.

KITTLER, R. – MIKLER, J.: *Základy využívania slnečného žiarenia*, Bratislava: VEDA 1986.

*Citations in other sources:* 1

1. [http://www.svf.tuke.sk/pracoviska/kkps/publikacie/lopusniak\\_01.pdf](http://www.svf.tuke.sk/pracoviska/kkps/publikacie/lopusniak_01.pdf)

KITTLER, R. – PULPITLOVÁ, J.: *Základy využívania prírodného svetla*, Bratislava: VEDA 1988.

*Citations in other sources:* 1

1. [http://www.svf.tuke.sk/pracoviska/kkps/publikacie/lopusniak\\_01.pdf](http://www.svf.tuke.sk/pracoviska/kkps/publikacie/lopusniak_01.pdf)

KITTLER, R. *Relative scattering indicatrix: Derivation from regular radiance/luminance sky scans*. *Light. Res. and Technol.*, 1993, Vol. 25, Iss. 3, p. 125-127.

*Citations in other sources:* 1

1. KOBAYASHI, M. Določanje CIE tipa neba na podlagi meritev parazdelive svetlosti. *Proc. 14<sup>th</sup> Int. Symp. Light and Environment*, 13. – 14. Otober 2004, Postojna, Ligh. Engingeer. Society of Slovenija, p. 15 – 26. In. <http://www.sdr.si/pdf/zbornik-2005-web.pdf>, Cited 2005.

KITTLER, R. Some qualities of scattering functions defining sky radiance distributions, *Solar Energy*, 1994, Vol. 53, Iss. 6. p. 511-516.

*WOS citations:* 1

1. MARKOU, M.T. – KAMBEZIDIS, H.D. – BARTZOKAS, A. – KATSOULIS, B.D. – MUNEER, T. *Sky type classification in Central England during winter*. In. *Energy*, 2005, Vol. 30, Iss. 9, p. 1667-1674.

KITTLER, R. – PEREZ, R. – DARULA, S. *Sky classification respecting energy - efficient lighting, glare and control needs*. In. *Journal of the IESNA*, 1997, Vol. 26, Iss. 1, p. 57-68, ISSN 099-4480.

*WOS citations:* 1

1. LI, D.H.W. – LAU, C.C.S. – LAM, J.C. *Predicting daylight illuminance on inclined surfaces using sky luminance data*. In. *Energy*, 2005, Vol. 30, Iss. 9 SPEC. ISS., p. 1649-1665.

KITTLER, R. – PEREZ, R. – DARULA, S. A new generation of sky standards. In. *Proc. Lux Europa Conf.*, Amsterdam 1997, p. 359-373.

*WOS citations:* 3

1. LI, D. H. W. – LAU, C. C. S. – LAM, J. C. *Predicting daylight illuminance on inclined surfaces using sky luminance data.* In. *Energy*, 2005, Vol. 30, Iss. 9 SPEC. ISS., p. 1649-1665.
2. LI, D.H.W. – CHEUNG, G.H.W. *Study of models for predicting the diffuse irradiance on inclined surfaces.* In. *Applied Energy*, 2005, Vol. 81, Iss. 2, p. 170-186.
3. MARKOU, M.T. – KAMBEZIDIS, H.D. – BARTZOKAS, A. – KATSOULIS, B.D. – MUNEER, T. *Sky type classification in Central England during winter.* In. *Energy*, 2005, Vol. 30, Iss. 9, p. 1667-1674.

*Citations in other sources:* 2

1. ESTRELLA, A.E. – LÓPEZ, P.G. – PÉREZ, E.H. *Estudio de la luminancia cenital en el cielo de Valencia.* CIE Midterm Meeting, [XXI Simposium Internacional de Alumbrado](#), León 2005. In. [http://www.ceisp.com/simposium/pdf/simposiumCIE\\_Leon/ponencias/059luminancia.pdf](http://www.ceisp.com/simposium/pdf/simposiumCIE_Leon/ponencias/059luminancia.pdf), cited 2005.
2. REINHART, C.F. Discussion of Mardaljevic's paper: Verification of program accuracy for illuminance modelling: assumptions, methodology and an examination of conflicting findings, NRCC-47043, NRC-CNRC Canada, In. <http://irc.nrc-cnrc.gc.ca/fulltext/nrcc47043/nrcc47043.pdf>, cited 2005.

KITTLER, R. – DARULA, S. *Prevailing sky conditions: Identifying simple parameters for definition.* In. *Light. Res. and Technol.*, 1997, Vol. 29, no. 1, p. 63-68.

*WOS citations:* 1

1. MARKOU, M.T. – KAMBEZIDIS, H.D. – BARTZOKAS, A. – KATSOULIS, B.D. – MUNEER, T. *Sky type classification in Central England during winter.* In. *Energy*, 2005, Vol. 30, 9 SPEC. ISS, p. 1667-1674.

KITTLER, R. – DARULA, S. – PEREZ, R. A set of standard skies. Polygrafia SAV Bratislava, 1998, p. 52

*WOS citations:* 1

1. MARKOU, M. T. – KAMBEZIDIS, H. D. – BARTZOKAS, A. – KATSOULIS, B. D. – MUNEER, T. *Sky type classification in Central England during winter.* In. *Energy*, 2005, Vol. 30, Iss. 9, p. 1667-1674.

*Citations in monographs, textbooks and other publications:* 3

1. DUMORTIER, D. – KOBÁV, M. Use of the Perez all weather sky luminance model to obtain the frequency of CIE standard sky types. In. *Proc. Conf. Lux Europa 2005*, Berlin 2005, p. 137 – 140.
2. ORAVEC, P. Interakcia svetelných a tepelných faktorov v halách stredne ťažkého priemyslu. Súčasný stav poznania pri tvorbe svetelných a tepelných podmienok v pracovnom prostredí. In. *Písomná časť dizertačnej skúšky*. TU SF Košice, Košice 2005, p. 73.
3. LOOMANS, M. – BLUYSSSEN, P.M. PeBBu Performance-Based Building. Indoor Environment. PeBBu Domain 2. Final domain report, TNO Built Environment and Geosciences, The Netherlands, October 2005, p. 257.

*Citations in other sources:* 1

1. SUCHÁNEK, P. Obloha jako vstupní parametr pro výpočet denního osvětlení. In. [http://www.fce.vutbr.cz/veda/dk2004texty/pdf/01\\_Pozemni%20stavitelstvi/1\\_03\\_Prostredi%20v%20budovach/Suchanek\\_Petr.pdf](http://www.fce.vutbr.cz/veda/dk2004texty/pdf/01_Pozemni%20stavitelstvi/1_03_Prostredi%20v%20budovach/Suchanek_Petr.pdf)

KITTLER, R. – DARULA, S. – PEREZ, R. A set of standard skies. Fin. Report Project US-SK-92052, ICA SAS Bratislava 1998, p. 240.

*WOS citations:* 1

1. SOLER, A, ROBLED, L. *Investigation of the overcast skies luminance distribution using 35 sensors fixed on a dome*. In. Energy Conversion and Management, 2005, Vol. 46, Iss. 17, p. 2739-2747.

*Citations in monographs, textbooks and other publications:* 1

1. HOSOBUCHI, H. – YOSHIDA, H. – UETANI, Y. Calculation of the heating and cooling load of buildings using a sky radiance distribution model. In. *9. Int. Conf. IBPSA, 15.-18. August 2005*, Montreal, p. 427-434.

KITTLER, R. – DARULA, S. *Linking sunlight with skylight by sky types and luminous turbidity*. In. Building Research Journal, Vol. 46, no. 3, 1998, p. 173-188.

*WOS citations:* 1

1. MARKOU, M. T. – KAMBEZIDIS, H. D. – BARTZOKAS, A. – KATSOULIS, B. D. – MUNEER, T. *Sky type classification in Central England during winter*. In. Energy, 2005, Vol. 30, Iss. 9, p. 1667-1674.

KITTLER, R. – DARULA, S. *Parametrisation problems of the very bright cloudy sky conditions*. In. Solar Energy, 1998, Vol. 62, no. 2, p. 93-100, ISSN 0038-092X.

*Citations in monographs, textbooks and other publications:* 1

1. ESTRELLA, A.E. – LÓPEZ, P.G. – PÉREZ, E.H. Estudio de la luminancia cenital en el cielo de Valencia. In. *CIE Midterm Meeting, XXI Simposium Internacional de Alumbrado*, León 2005

KITTLER, R. – DARULA, S. – PEREZ, R. *Advantages of New Sky Standards: More realistic modelling of daylight conditions in energy and environmental studies*. In. International Journal of Energy, Environment and Economics, Vol. 8, no. 1, 1999, p. 65-72, ISSN 1054-853X.

*WOS citations:* 2

1. LI, D. H. W. - LAU, C. C. S. - LAM, J. C. *Predicting daylight illuminance on inclined surfaces using sky luminance data*. In. Energy, 2005, Vol 30, Iss 9 SPEC. ISS., p. 1649-1665.
2. LI, D.H.W. – CHEUNG, G.H.W. *Study of models for predicting the diffuse irradiance on inclined surfaces*. In. Applied Energy, 2005, Vol. 81, Iss. 2, p. 170-186.

KITTLER, R. – DARULA, S. *Parametric definition of the daylight climate*. In. Renewable Energy, Vol. 26, Iss. 2, 2002, p. 177-187.

*Citations in monographs, textbooks and other publications:* 1

1. LOOMANS, M. – BLUYSSSEN, P.M. PeBBu Performance-Based Building. Indoor Environment. PeBBu Domain 2. Final domain report, TNO Built Environment and Geosciences, The Netherlands, October 2005, p. 257.

*Citations in other sources:* 1

1. LOOMANS, M. - BLUYSSSEN, P.M. PeBBu Performance-Based Building. 2<sup>nd</sup> Domain Indoor Environment. Domain report and Contribution to the international state-of-the-art report, TNO Built Environment and Geosciences, Delft, June 2005, p.210. In. [http://sts.bwk.tue.nl/pebbu/PeBBu%20Domain2%20Documents/PeBBu%20Domain%202%200report%20Indoor%20Environment%20\(draft\)%20final%20version%20June%202005.pdf](http://sts.bwk.tue.nl/pebbu/PeBBu%20Domain2%20Documents/PeBBu%20Domain%202%200report%20Indoor%20Environment%20(draft)%20final%20version%20June%202005.pdf), cited 2005.

KITTLER, R. – DARULA, S. *Analemma, the ancient sketch of fictitious sunpath geometry – Sun. time and history of mathematics*. In. Architectural Science Review, Vol. 47, no 2, 2004, p. 141-144.

*Citations in other sources:* 5

1. Ecliptic coordinate system. Encyklopedia.com. In. <http://www.encyclopedia.com/html/e/ecliptic-c.asp>, and <http://www.encyclopedia.com/html/e1/ecliptic-c.asp>, cited 2005.
2. Descriptive geometry. Encyklopedia.com. In. <http://www.encyclopedia.com/html/d/descript.asp>, cited 2005.
3. Gnomon. Encyklopedia.com. In. <http://www.encyclopedia.com/html/X/X-gnomon.asp>, cited 2005.

4. Hypsicles of Alexandria. Encyklopedia.com. In. <http://www.encyclopedia.com/html/H/Hypsicle.asp>, cited 2005.
5. Ecliptic coordinate system. The Columbia Encyklopedia, Sixth Edition; 6/7/2005. In. <http://www.highbeam.com/ref/doc3.asp?docid=1E1:ecliptic-c>. cited 2005

KORONTHÁLYOVÁ, O. – MATIAŠOVSKÝ, P. Thermal conductivity of calcium silicate insulation boards. In *Building Research Journal* (2002), Vol.50, p. 289-305

WOS citations: 1

1. Kubicár, L. – Bohac, V. – Vretenár, V. – Barta, S. –Neuer, G. – Brandt, R. INTERNATIONAL JOURNAL OF THERMOPHYSICS (2005), Vol. 26. p. 1949-1962.

Citations in monographs, textbooks and other publications: 1

1. BOHÁČ, V. - VRETNÁR, V. – KUBIČÁR, L. Optimisation methodology for the pulse transient method and its application at the measurement of thermophysical properties of materials. In *Proceedings of Thermophysics 2005*, (2005), USTARCH SAV, Bratislava, p. 57-71. ISBN 80-969434-2-1

KORONTHÁLYOVÁ, O. – MATIAŠOVSKÝ, P. 2003 Thermal Conductivity of Fibre Reinforced Porous Calcium Silicate Hydrate-based Composites. In: *Journal of Thermal Envelope and Building Science*, Vol. 26, No. 4, p.71- 89.

SCOPUS citations: 1

1. HAMILTON, A and HALL, C. 2005. Psysicochemical Characterization of a hydrated calcium Silicate Board Material. *Journal of Building Physics*, Vol. 29, No. 1, p. 9-19.

KORONTHÁLYOVÁ, O. – MATIAŠOVSKÝ, P. Thermophysical Parameters of Calcium Silicate Insulation Measured by Guarded Hot Plate and Pulse Transient Methods. In *Proceedings of Thermophysics*, 2003, USTARCH SAV, ISBN 80-969 190-1-6. Bratislava, 2004, p. 39-45.

SCOPUS citations: 1

1. HAMILTON, A and HALL, C. 2005. Psysicochemical Characterization of a hydrated calcium Silicate Board Material. *Journal of Building Physics*, Vol. 29, No. 1, p. 9-19.

KORONTHÁLYOVÁ, O. Problémy prenosu vlhkosti a tepla v stavebných materiáloch a konštrukciách. KDP, ÚSTARCH SAV BRATISLAVA. 1987.

Citations in monographs, textbooks and other publications: 1

1. Minárová, M. Deformované teplotné polia a riziko vzniku hygienických problémov. Stav. Fak. STU, Bratislava, 2005, ISBN80-227-2263-4, 116 s.

KORONTHÁLYOVÁ, O.: Non-steady Model for Calculation of Indoor Air Relative Humidity. In *Building Research Journal* 46 (1998), p. 201-211.

Citations in monographs, textbooks and other publications: 1

1. Minárová, M. Deformované teplotné polia a riziko vzniku hygienických problémov. Stav. Fak. STU, Bratislava, 2005, ISBN80-227-2263-4, 116 s.

MATOLCSY, K. – TIDERENCZL, G. – MATIASOVSKY, P. „Final Report on NAS State of the Art“. PeBBu Network, CIBdf, Rotterdam, 2005.

Citations in monographs, textbooks and other publications: 1

1. BECKER, R. – FOLIENSTE, G. Optimisation methodology for the pulse transient method and its application at the measurement of thermophysical properties of materials. In *Proceedings of Thermophysics 2005*, (2005), USTARCH SAV, Bratislava, p. 57-71. ISBN 80-969434-2-1

MATIASOVSKY, P. – KORONTHALYOVA, O. Moisture dependent thermal properties of cellular concrete. In *Building Research Journal* (1994), Vol. 42, p. 265-274

Citations in monographs, textbooks and other publications: 1

1. BOHÁČ, V. - VRETNÁR, V. – KUBIČÁR, L. Optimisation methodology for the pulse transient method and its application at the measurement of thermophysical properties of materials. In *Proceedings of Thermophysics 2005*, (2005), USTARCH SAV, Bratislava, p. 57-71. ISBN 80-969434-2-1

DULLA, M. Das leichte Nebeneinander von Moderne und Tradition. Ein besonder(e)s (oder) gewöhnliches halbes Jahrhundert Architektur in der Slowakei: 1939 – 1989. (Ľahká mimobežnosť moderny a tradície. Zvláštne /či/ obyčajné polstoročie architektúry na Slovensku: 1939 – 1989.) In: Architektur Slowakei. Impulse und Reflexion. (Architektúra Slovenska. Ipulzy a reflexia.) (Ed. A. Stiller, Š. Šlachta.) Wien, Verlag Anton Pustet 2003. 123 – 157 s.

Citations in monographs, textbooks and other publications: 2

1. SZALAY, P.: Architekt Vladimír Dedeček. Architektúra & urbanizmus 39, 2005, 3 / 4, s. 127 – 148.
2. MORAVČÍKOVÁ, H. (ed.): Architektúra na Slovensku – stručné dejiny. Bratislava, Slovart 2005, 170 s.

DULLA, M. – MORAVČÍKOVÁ, H. Architektúra Slovenska v 20. storočí. Bratislava, Slovart 2002. 512 s.

Citations in monographs, textbooks and other publications: 13

1. FAJGLOVÁ-HABERLANDOVÁ, K.: Baťa alias Alizé. Arch 10, 2005, č. 5, s. 28.
2. ŠVOLÍKOVÁ, M.: Kultúrne pamiatky a významní stavitelia Levíc v zrkadle archívnych prameňov Štátneho archívu v Leviciach. In: Monumentorum tutela Ochrana Pamiatok 16. Bratislava, Pamiatkový úrad SR 2005. s. 273-282.
3. STACHOVÁ, M.: Archívny výskum k architektúre prvej polovice 20. storočia v súvislosti s uvedením si jej pamiatkovej hodnoty. In: Monumentorum tutela Ochrana Pamiatok 16. Bratislava, Pamiatkový úrad SR 2005. ISBN 80-89079-13-X. c. 305 – 310.
4. SZALAY, P.: Architekt Vladimír Dedeček. Architektúra & urbanizmus 39, 2005, č. 3 – 4, s. 127- 148.
5. HRDINA, M.: Projekčná kancelária Eugena Kramár a Štefana Lukčoviča (1942 – 1950). Architektúra & urbanizmus 39, 2005, č. 3 – 4, s. 149 – 164.
6. SZALAY, P.: Architekti slovenskej moderny absolujúci štúdium na budapeštianskej „polytechnike“. Architektúra & urbanizmus 39, 2005, č. 3 – 4, s. 181 – 186.
7. PANČÍKOVÁ, M.: Architektura mezi přísností a okázalostí. Literární noviny (Praha) 15. 6. 2005, s. 4.
8. ŽALMAN, P.: Rekonštrukcia a prestavba kultúrneho domu v Sládkovičove. Fórum architektúry 15, 2005, č. 2 – 3, s. 10 – 11.
9. MATUŠÍK, I.: Tvorba mesta nie je insitné umenie. Informácia SKA. 2005, č. 5, s. 12 – 13.
10. BÚTORA, M.: Občianske združovanie v európskom roku jeden. Dominofórum 2005, s. 12– 13.
11. KUBIČKOVÁ, K.: Pár poznámok na okraj monografie Architektúra Slovenska v 20. storočí alebo omrvinky z bádateľského stola. Architektúra & urbanizmus 39, 2005, č. 3 – 4, s. 83 – 85.
12. POHANIČOVÁ, J.: Chrám redemptoristov v Michalovciach – príspevok k poznaniu stavebných dejín a iné súvislosti. Architektúra & urbanizmus 39, 2005, 3 / 4, s. 86 – 92.
13. TOPOLCANSKA, M. Consistency of Serial City. Papeles DC(Barcelona), 2005, č. 13 – 14, s. 72.

DULLA, M. Architektúra dnes. Slovenská architektúra 80. rokov a jej súvislosti. Bratislava, Pallas 1993. 224 s..

Citations in monographs, textbooks and other publications: 1

1. DUDA, E.: Dejiny staviteľstva. Bratislava, Iris 2005.

DULLA, M. Architektúra od moderny k soľe a späť. In: Rusinová, Z. (Ed.): Dejiny slovenského výtvarného umenia. Umenie 20. storočia. Bratislava, SNG 2000. s. 223 – 228.

Citations in monographs, textbooks and other publications: 1

1. MORAVČÍKOVÁ, H. (ed.): Architektúra na Slovensku – stručné dejiny. Bratislava, Slovart 2005, 170 s.

DULLA, M. – MORAVČÍKOVÁ, H. H. Kto je kto v architektúre na Slovensku. Bratislava, Meritum 1995. 189.

Citations in monographs, textbooks and other publications: 1

1. Slovník českých a slovenských výtvarných umělců. (St – Šan) Výtvarné centrum Chagall, Ostrava 2005. 380 s.

HABERLANDOVÁ, K. Prestavba obchodného domu Baťa. In Arch 11 (2005), č. 5, s. 28.

Citations in monographs, textbooks and other publications: 1

1. Slabeyová, M.: Příběh jedné budovy. Projekt 2005, č. 5, s. 16 – 18.

HAMMEROVÁ (MORAVČÍKOVÁ), H. – MAŠEK, M.: Bývalá krajská politická škola v Modre-Harmónii. Lojálna architektúra. Projekt, 1991, č. 3, s. 19.

Citations in monographs, textbooks and other publications: 1

1. SZALAY, P.: Architekt Vladimír Dedeček. Architektúra & urbanizmus 39, 2005, č. 3 – 4, s. 127 – 148.

MORAVCIKOVA, H.: “Batovany - Partizanske: an exemplary Slovak industrial town”, Architektura & Urbanizmus XXXVII, 3 – 4, Bratislava, 2003, p. 116.

Citations in monographs, textbooks and other publications: 1

1. TOPOLCANSKA, M.: Consistency of Serial City. Papeles DC (Barcelona), 2005, č. 13 – 14, s. 74.

MORAVCIKOVA, H.: „Social and Architectural Phenomenon of the Bataism in Slovakia“, Slovak Sociological Review, 6, Fall 2004, Bratislava, p. 537.

Citations in monographs, textbooks and other publications: 1

1. TOPOLCANSKA, M. Consistency of Serial City. Papeles DC(Barcelona), 2005, č.13–14, s.74

ZALČÍK, T. – DULLA, M.: Slovenská architektúra 1976 – 1980. Bratislava, Veda 1982. 192 s.

Citations in monographs, textbooks and other publications: 1

1. MORAVČÍKOVÁ, H. (ed.): Architektúra na Slovensku – stručné dejiny. Bratislava, Slovart 2005, 181 s.

JAMBOR, J. Pore structure and strength development of cement composites, In CEMENT AND CONCRETE RESEARCH 20 (6): p. 948-954 NOV 1990

WOS citations: 1

1. Cyr M, Lawrence P, Ringot E  
Mineral admixtures in mortars - Quantification of the physical effects of inert materials on short-term hydration  
CEMENT AND CONCRETE RESEARCH 35 (4): 719-730 APR 2005

DJUBEK, J. P INT C STEEL PLAT S 1976

WOS citations: 1

1. da Silva LS, Santiago A, Real PV, Moore D  
Behaviour of steel joints under fire loading  
STEEL AND COMPOSITE STRUCTURES 5 (6): 485-513 DEC 2005

PASIAK, J. SOCIOLOGIA 1969, 1, 1

WOS citations: 1

1. Klobucky R  
Methodological issues of studying the history of Slovak sociology  
SOCIOLOGIA 37 (2): 177-196 2005

#### **Addendum to year 2004**

LALINSKÝ, T. – HAŠČÍK, Š. – MOZOLOVÁ, Ž. – DRŽÍK, M. – HATZOPOULOS, Z.

Micromachined power sensor microsystem. In: *Proc. of the 9<sup>th</sup> Micromechanics Europe Workshop - MME 98*. Ulwik, 139-142, 1998.

SCOPUS citations: 0/1

1. Mullerc, A.: *Proc. Inter. Semicond. Conf.*, p. 147, 2004

KOMLOS, K. – BABAL, B. – NURNBERGEROVA, T. Hybrid fibre-reinforced concrete under repeated loading. In *Nucl Eng Des* Vol. 156 (1995), p. 195-200.

WOS citations: 0/1

1. Banthia N., Gupta R.

MATERIALS AND STRUCTURES/MATERIAUX ET CONSTRUCTIONS 2004, Vol. 37, p. 707-716.

KITTLER, R. *Relative scattering indicatrix: Derivation from regular radiance/luminance sky scans.* Light. Res. and Technol., 1993, Vol. 25, Iss. 3, p. 125-127.

Citations in monographs, textbooks and other publications: 0/1

1. KOBAY, M. Določanje CIE tipa neba na podlagi meritev parazdelive svetlosti. In. *Proc. 14<sup>th</sup> Int. Symp. Light and Environment*, 13. – 14. Otober 2004, Postojna, Ligh. Engieer. Society of Slovenija, p. 15 – 26.

DARULA, S. *New measured method of the diffuse light transmittance.* In. *Building Research Journal*, 2003, Vol. 51, no. 1-2, p. 1-8.

Citations in monographs, textbooks and other publications: 0/1

1. PLCH, J. – MOHELNÍKOVÁ, J. – SUCHÁNEK, P. Metodika měření a posuzování světlovodu. In. *6th Int. Conf. SVETLO 2004*, 22.-24. 6. 2004 Brno, CSO Brno, p. 186-191.

DARULA, S. – KITTLER, R. – KMEŤO, P. New CIE General Sky defining luminance distributions. In. *Proc. Int. Conf. Sustainable building and solar energy: TU Brno 2001*, p. 52-54.

Citations in monographs, textbooks and other publications: 0/1

1. KOBAY, M. Določanje CIE tipa neba na podlagi meritev parazdelive svetlosti. In. *Proc. 14<sup>th</sup> Int. Symp. Light and Environment*, 13. – 14. Otober 2004, Postojna, Ligh. Engieer. Society of Slovenija, p. 15 – 26.

BÁGEL, L. – ŽIVICA, V. Relationship between pore structure and permeability of hardened cement mortars: On the choice of effective pore structure parameter. *Cement and Concrete Research*, Vol.27, No.8, 1997, p.1225-1235

SCOPUS citations: 0/1

1. Mymrin V. A., Ponte H. A.,

International Meeting on Ironmaking, Vol. 1, 2004, p.111-122

JAMBOR, V. – ŽIVICA, V. Sledovanie korózie oceleovej výstuže v betóne metódou elektródového potenciálu a metódou elektrického odporu. *Stavebnický časopis*, 30, č.7, 1982, p.563-586

Citations in monographs, textbooks and other publications: 0/1

1. Brodňan, M., Šlopková, K.

Proc. of Int. Conf. „Life cycle assesment, behaviour and properties of concrete and concrete structure, Brno, 9.-11.11.2004, p.50-55

JAMBOR, J. Porozita, pórová štruktúra a pevnosť cementových kompozitov, IN *Staveb. cas.* 33, p. 743-765, 1985

WOS citations: 0/2

1. VODAK F, TRTIK K, KAPICKOVA O, HOSKOVA S, DEMO P

The effect of temperature on strength-porosity relationship for concrete  
CONSTRUCTION AND BUILDING MATERIALS 18 (7): p. 529-534, SEP 2004

2. JANOTKA I, KRAJCI L.

Effect of polymer on structural characteristics and steel corrosion of cement-poor mortar  
CHEMICAL PAPERS-CHEMICKE ZVESTI 58 (2): p. 79-86 2004

JAMBOR J. P INT S RILEM IUPAČ 2 : D75 1973

WOS citations: 0/1

1. VODAK F, TRTIK K, KAPICKOVA O, HOSKOVA S, DEMO P

The effect of temperature on strength-porosity relationship for concrete

DJUBEK, J. INT J MECH SCI 1975 17 61

WOS citations: 0/1

1. Rendek S, Balaz I

Distortion of thin-walled beams

THIN-WALLED STRUCTURES 42 (2): 255-277 FEB 2004

PASIAK, J. CLOVEK JEHO SIDLA 1980

WOS citations: 0/1

1. Matlovic R

The transitive image of the town and its intra-urban structures in the era of post-communist transformation and globalisation

SOCIOLOGIA 36 (2): 137-158 2004

FECKO, L. Staveb. čas. 1975, 23(3) 161-173.

WOS citations: 0/1

1. Jerga J

Physico-mechanical properties of carbonated concrete

CONSTRUCTION AND BUILDING MATERIALS 18 (9): 645-652 NOV 2004

MARTINCEK, G. J SOUND VIB 1965 2 116

WOS citations: 0/2

1. Erauw JP, Vander Gucht A, Cambier F

Assessment of impact acoustic resonance as a non-destructive testing method for advanced ceramic parts, KEY ENGINEERING MATERIALS 264-268: 921-924 Part 1-3 2004

2. Franca DR, Blouin A

All-optical measurement of in-plane and out-of-plane Young's modulus and Poisson's ratio in silicon wafers by means of vibration modes, MEASUREMENT SCIENCE &

TECHNOLOGY 15 (5): 859-868 MAY 2004

### **Other citations**

1. Tesár A. Vedecká osobnosť. Citácia in: *Engineering Academy of the Czech Republic*, 10, 1995-2005, Edition 2005

2. Tesár A. Inžinierska osobnosť. Citácia in: Redaktor Sedláček, P.: *Most cez Moravu bude svetovou raritou! Nový čas*, 23.11.2005

3. Tesár A. Inžinierska osobnosť. Citácia in: Kňazko, M.: *Dynastia Tesárovcov. Zvárač II, 1*, 2005, 43-44