

Research output and citations 2005

1. Domestic scientific monographs

Architektúra na Slovensku: Stručné dejiny. Ed. H. Moravčíková. Bratislava, Slovart 2005. 170 s.

2. Abroad scientific monographs

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3. Domestic professional books

DULLA, M. ed. Majstri architektúry. Bratislava, Perfekt 2005.

JUHÁSOVÁ, E. STN EN 1990/NA Eurokód. Zásady navrhovania konštrukcií. Národná príloha. SÚTN Bratislava, 2004. 16 s.

JUHÁSOVÁ, E. STN EN 1991-1-1/NA Eurokód 1. Zaťaženia konštrukcií. Časť 1-1: Všeobecné zaťaženia. Objemové hmotnosti, vlastná tiaž a úžitkové zaťaženia. Národná príloha. SÚTN Bratislava, 2004. 12 s.

JUHÁSOVÁ, E. STN EN 1991-1-3/NA Eurokód 1. Zaťaženia konštrukcií. Časť 1-3: Všeobecné zaťaženia. Zaťaženie snehom. Národná príloha. SÚTN Bratislava, 2004. 12 s + mapa.

4. Abroad professional books

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5. Chapters in books ad 1)

DULLA, M. Romantizmus a historizmus. In Architektúra na Slovensku: Stručné dejiny. Bratislava, Slovart 2005.

DULLA, M. Secesia a národná architektúra. In Architektúra na Slovensku: Stručné dejiny. Bratislava, Slovart 2005.

6. Chapters in books ad 2)

MORAVČÍKOVÁ, H. Slovakia: Meaningful Periphery? In Ort. Ort means place, site, location and more. Ed. Renate Isinger, Kira Kirsch, Erich Prödl, Irmfried Winbichler. Graz, HDA 2005, s. 104-111.

MORAVČÍKOVÁ, H. – DORICOVÁ, S. – DULLA, M. – FAJGLOVÁ, K. – TOPOLČANSKÁ, M. Plattenbausiedlungen Bratislava: Architektonische und Städtebauliche Aspekte. In Plattenbausiedlungen in Wien und Bratislava – zwischen Vision, Alltag und Innovation. Hg. Vera Mayer. Wien, Eigenverlag 2005, s. 50-58.

7. Chapters in books ad 3)

KRIVÁČEK, J. Encyklopedické heslá. In Encyclopaedia Beliana, 4. zv. Eh – Gala. Bratislava: Encyklopedický ústav SAV 2005. ISBN 80-224-0847-6. s.17, 145, 180, 193, 260, 268, 339, 345, 360, 366, 392, 408, 423, 430, 523, 588, 609.

MORAVČÍKOVÁ, H. Friedrich Weinnurm. In Majstri architektúry, Bratislava, Perfekt 2005.

MORAVČÍKOVÁ, H. Christian Ludwig. In Majstri architektúry, Bratislava, Perfekt 2005.

8. Chapters in books ad 4)

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9. Scientific papers registered

a) in Current Contents

BARTZOKAS, A. – KAMBEZIDIS, H. – DARULA, S. – KITTLER, R. Comparison between winter and summer sky-luminance distribution in Central Europe and in the Eastern Mediterranean. In *Journal of atmospheric and solar-terrestrial physics*. Vol. 67, Iss. 6 (2005), p. 709-718. ISSN: 1364-6826. (1.517 – IF2004).

DANANAJ, I. – FRANKOVSKÁ, J. – JANOTKA, I. The influence of smectite content on micro-structure and geotechnical properties of calcium and sodium bentonites. In *Applied Clay Science*. Vol. 28, no.1-4 (2005), p.223-232. (1,267 – IF2004).

DARULA, S. – KITTLER, R. – GUEYMARD, CH. A. Reference luminous solar constant and solar luminance for illuminance calculations. In *Solar Energy*, Vol. 79, Iss. 5 (2005), p. 559-565. ISSN 0038-092X. (0.658 – IF2004).

JANOTKA, I. – MOJUMDAR, S. C. Thermal analysis at the evaluation of concrete damage by high temperatures. In *Journal of Thermal Analysis and Calorimetry*. Vol. 81, no. 1 (2005), p. 197-203. (1,478 – IF 2004).

JANOTKA, I. – NÜRNBERGEROVÁ, T. Effect of temperature on structural quality of the cement paste and high-strength concrete with silica fume. In *Nuclear Engineering and Design*. Vol. 235, no. 8 (2005), p. 2019-2032. (0,440 – IF2004).

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. (0,285 – IF2004).

SADOVSKÝ, Z. – P. TEIXEIRA, A.P. – GUEDES SOARES, C. Degradation of the compressive strength of rectangular plates due to initial deflections. In *Thin-Walled Structures*, Vol. 43 (2005), no. 1, 65-82. (0.517 – IF2004).

SLADEK, J. – SLADEK, V. – KRIVÁČEK, J. – ZHANG, Ch. Meshless Local Petrov-Galerkin Method for stress and crack analysis in 3-D axisymmetric FGM bodies. In *Computer Modeling in Engineering & Sciences*. Vol. 8 (2005), p. 259-270. (2.210 – IF2004).

SLADEK, J. – SLADEK, V. – ZHANG, Ch. A meshless local boundary integral equation method for dynamic anti-plane shear crack problem in functionally graded materials. In *Engineering Analysis with Boundary Elements*. Vol. 29 (2005), p. 334-342. (1.000 – IF2004).

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SLADEK, J. – SLADEK, V. – ZHANG, Ch. Stress analysis in functionally graded materials by the MLPG method. In *Engineering Analysis with Boundary Elements*. Vol. 29 (2005), p. 597-609. (1.000 – IF2004).

SLADEK, V. – SLADEK, J. – TANAKA, M. – ZHANG, Ch. Local integral equation method for potential problems in functionally graded anisotropic materials. In *Engineering Analysis with Boundary Elements*. Vol. 29 (2005), p. 829-843. (1.000 – IF2004).

SLADEK, V. – SLADEK, J. – TANAKA, M. – ZHANG, Ch. Transient heat conduction in anisotropic and functionally graded media by local integral equations. In *Engineering Analysis with Boundary Elements*. Vol. 29 (2005), p. 1047-1065. (1.000 – IF2004).

SLADEK, V. – SLADEK, J. – TANAKA, M. Local integral equations and two meshless polynomial interpolations with application to potential problems. In *Computer Modeling in Engineering & Sciences*. Vol. 7 (2005), p. 69-83. (2.210 – IF2004).

SLADEK, V. – SLADEK, J. – ZHANG, Ch. Domain element local integral equation method for potential problems in anisotropic and functionally graded materials. In *Computational Mechanics*. Vol. 37 (2005), p. 78-85. (0.764 – IF2004).

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TESAR, A. Load-bearing control of slender bridges. In *International Journal for Numerical Methods in Engineering*, 2005, Vol.,62, p. 924-936. (1.501 – IF2004).

ZHANG, Ch. – SLADEK, J. – SLADEK, V. Antiplane crack analysis of a functionally graded material by a BIEM. In *Computational Materials Science*. Vol. 32 (2005), p. 611-619. (1.424 – IF2004).

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MAZÚCH, T. Semianalytical FE approach to modelling of the cylinders flexural vibration. In *Building Research Journal*. Vol. 53, no. 1 (2005), p. 45-56.

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KORONTHÁLYOVÁ, O. – MIHÁLKA, P. – MATIAŠOVSKÝ, P. Model for complex simulation of HAM-transfer in a single thermal zone building. In *Building Research Journal*, 2004, Vol 52, no. 4, p. 199-217.

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, 2004, No.4, p. 219-234.

SLADEK, V. – SLADEK, J. Stress analysis of exterior insulation system subject to hygro-thermal climatic loading. In *Building Research Journal*. Vol. 52 (2004), p. 137-155.

b) in other international databases – IBZ – Internationale Bibliographie geistes- und sozialwissenschaftlicher Zeitschriftenliteratur

MORAVČÍKOVÁ, H. The pretty young brother. Apartment house Mondrian. *Architektur Aktuell* (Viedeň) 2005. Nr. 12, s. 108-115.

10. Scientific papers in other journals

BOLDIŠ, T. - PETRÁŠ, D. - MATIAŠOVSKÝ, P. – KLUČAR, M. Experimentálne overenie prevádzky nového typu elektrického sálavého panela. In *Vytápění, větrání, instalace*, vol. 14, (2005), č. 1, s. 9-11.

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DULLA, M. Liečebný dom Machnáč: moderna ako import. In *Projekt* 47, 2005, č. 6, s. 45.

DULLA, M. Moderná geometria architektúry. In *Projekt* 47, 2005, č. 6, s. 25.

DULLA, M. Modernosť ergo prísnosť. In *Projekt* 47, 2005, č. 1, s. 66-67.

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FAJGLOVÁ-HABERLANDOVÁ, K. Obytný dom Platan: Nová Doba súčasnosti? In *Arch* 10, 2005, č. 6, s. 34-39.

HABERLANDOVÁ, K. Design factory: časopriestor pre zmysluplné veci. In *Arch* 10, 2005, č. 10, s. 17-21.

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MORAVČÍKOVÁ, H. – DORICOVÁ, S. – TOPOLČANSKÁ, M. Baťa's Architecture a Problematic Cultural Heritage? *Docomomo Journal* (Paris), 2005, No. 32, s. 54-58.

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MORAVČÍKOVÁ, H. Moderná architektúra: problematické kultúrne dedičstvo? In *Arch* 10, 2005, 5, s. 13.

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TESAR, A. Moderné lávky pre chodcov v Bratislave. In *Projekt a stavba*, 4, 2005, č. 1, s. 9-11.

TESAR, A. Zastrešenie zimného štadióna v Brezne – súčasný stav výstavby. In *Projekt a stavba*, 4, 2005, s. 22-28.

TOPOLČANSKÁ, M. Consistency of Serial City. In *Papeles DC* (Barcelona), 2005, č. 13-14, s.

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TOPOLČANSKÁ, M. Objav médií - Centrála Unibanky v Bratislave. In *Arch* 10, 2005, č. 9, s. 20-23.

TOPOLČANSKÁ, M. Slovak National Gallery, Bratislava. In *A10* (Amsterdam) 1, 2005, č. 6, s. 17.

ŽIVICA, V. Ohrozenie betónových konštrukcií agresívnymi organickými látkami. In *Materiály pro stavbu*, 2005, č. 4, s.30-33.

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

a) reviewed

BEYER, S. – ZHANG, Ch. – Hirose, S. – SLADEK, J. – SLADEK, V. 2-D dynamic crack analysis in anisotropic solids by a time-domain BEM. In *Computer Methods in Mechanics, CMM-2005 Conf., Czestochowa, Poland, 21-24 June 2005*. CD-ROM. (R).

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BEYER, S. – ZHANG, Ch. – Hirose, S. – SLADEK, J. – SLADEK, V. A hypersingular time-domain BEM for 2-D dynamic crack analysis in anisotropic solids. In *Proc. of the 10th Int. Conf. on Numerical Methods in Continuum Mechanics & 4th Workshop on Trefftz Methods, University of Zilina, Slovakia, 23-26 August 2005*. ISBN 80-969165-5-6, CD-ROM. (R).

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