

## Research output and citations 2004

### 1. Domestic scientific monographs

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### 2. Abroad scientific monographs

#### *Addendum to year 2003*

GRUNEWALD, J. – FUNK, M. – SCHEFFLER, G. – SLADEK, Vladimír – SLADEK, Ján, Modelling, Software Development and Simulation, Workpackage 1 Report of INSUMAT: Development of Insulation Materials with Specifically Designed Properties for Building Renovation. Dresden: Dresden University of Technology, 2003. 89 s. ISBN 3-86005-404-X.

HUETTNER, W. – ČERNÝ, R. – MATIAŠOVSKÝ, Peter *INSUMAT, Development of insulation materials with specially designed properties for building renovation. Workpackage 2 report: material Development and Production*. Dresden: Dresden University of Technology, 2003. 54 p. ISBN 3-86005-405-8.

MATIAŠOVSKÝ, Peter – ČERNÝ, R. – PETZOLD, H. *INSUMAT, Development of insulation materials with specially designed properties for building renovation. Workpackage 5 report: Application and test buildings*. Dresden: Dresden University of Technology, 2003. 58 p. ISBN 3-86005-408-2.

PLAGGE, R. – ČERNÝ, R. – MATIAŠOVSKÝ, Peter *INSUMAT, Development of insulation materials with specially designed properties for building renovation. Workpackage 3 report: Laboratory measurements*. Dresden: Dresden University of Technology, 2003. 58 p. ISBN 3-86005-406-6.

### 3. Domestic professional books

DULLA, Matúš: CASUA 1992 – 2004. SAS, Bratislava 2004, 35 s.

### 4. Abroad professional books

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### 5. Domestic popularization books

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### 6. Abroad popularization books

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### 7. Chapters in books ad 1)

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### 8. Chapters in books ad 2)

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### 9. Chapters in books ad 3)

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### 10. Chapters in books ad 4)

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## 11. Chapters in books ad 5)

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## 12. Chapters in books ad 6)

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## 13. Scientific papers registered in Current Contents and IBZ

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JANOTKA, Ivan - KRAJČI, Ľudovít Effect of polymer on structural characteristics and steel corrosion of cement-poor mortars. In *Chemical Papers*. Vol. 58, no. 2 (2004), p. 79-86. (0,226 – IF2003)

JERGA, Ján Physico-mechanical properties of carbonated concrete. In: *Construction and Building Materials*. Vol. 18, no. 9 (2004), p. 645-652. (0,330 – IF2003)

KRAJČI, Ľudovít – JANOTKA, Ivan Significance of steel electrical resistance method in the evaluation of reinforcement corrosion in cementitious systems. In *Materiales de Construcción*. Vol. 54, no. 274 (2004), p. 17-31. (0,125 – IF2003)

MORAVČÍKOVÁ, Henrieta: Offering Transparency. *Architektur aktuell* (Viedeň) 2004, Nr. 1-2, p. 108-115. (evidované v IBZ – Internationale Bibliographie geistes- und sozialwissenschaftlicher Zeitschriftenliteratur)

MORAVČÍKOVÁ, Henrieta: Social and Architectural Phenomenon of the Bataism in Slovakia. *Sociológia – Slovak Sociological Review*. Vol. 36, 2004, no. 6, p. 519-543. (evidované v ISI Social Sciences)

MYKHASKIV, V. V. – SLADEK, Ján – SLADEK, Vladimír – STEPANYUK, O.J. On stress concentration near elliptic crack on the interface of elastic bodies on conditions of steady-state oscillations. In *International Journal of Applied Mechanics*. Vol. 40, (2004), p. 81-89. (1.614 – IF2003)

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SLADEK, Jan – SLADEK, Vladimír – ATLURI, S. N. Meshless local Petrov-Galerkin method in anisotropic elasticity. In *CMES – Computer Modeling in Engineering & Sciences*. Vol. 6, (2004), p. 477-489. (1.957 – IF2003)

SLADEK, Ján – SLADEK, Vladimír – ATLURI, S. N. Meshless local Petrov-Galerkin method for heat conduction problem in an anisotropic medium. In *CMES – Computer Modeling in Engineering & Sciences*. Vol. 6, (2004), p. 309-318. (1.957 – IF2003)

SLADEK, Ján – SLADEK, Vladimír – ZHANG, Ch. A meshless local boundary integral equation method for heat conduction analysis in nonhomogeneous solids. In *Journal of Chinese Institute of Engineering*. Vol. 27, (2004), p. 517-539. (0.295 – IF2003)

TESÁR, Alexander – SEDLÁR, Marek. Behaviour control of modern composite structures. In: *International Journal for Numerical Methods in Engineering*, Vol. 61, (2004) pp. 2389-2401. (1.691 – IF2003)

TESAR, Alexander Material instability in fatigue of fibre composites. In: *International Journal for Numerical Methods in Engineering*, Vol. 60, (2004), pp. 1791-1801. (1.691 – IF2003)

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DORICOVÁ, Slávka Hrdza namiesto mramoru: iná tvár bankovej architektúry? ARCH 9, 2004, č. 9, s. 17-21.

DORICOVÁ, Slávka Oživená legenda Jozefa Hoffmanna. (Rekonštrukcia rodného domu umelca) ARCH 9, 2004, č. 10, s. 24-27.

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DULLA, Matúš – LEPEJ, M. Cezčasová architektúra. ARCH 9, 2004, č. 4, s. 13-17.

DULLA, Matúš Jednoducho administratívna budova. Projekt 46, 2004, č. 3, s. 54-60.

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- MATIAŠOVSKÝ, PETER – KORONTHÁLYOVÁ, Oľga Material parameters of composites with inorganic binders required for durability performance simulation. In *CTU Reports* Vol. 8 (3/2004) CTU Prague, pp. 115-120.
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- MORAVČÍKOVÁ, Henrieta Panelové sídliská – moderné bývanie budúcnosti? *ARCH* 9, 2004, č. 7-8, s. 44-45.
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- PITOŇÁK, Andrej – KRIŽMA, Martin – NÜRNBERGEROVÁ, Terézia Load Bearing Capacity and Deformations of the Concrete Crash Barriers Connections. In: *CTU Reports*, Vol 8, no. 3, 2004, pp. 127-132, ISBN 80-01-02976-X.
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## **15. Scientific paper in proceedings**

### **15 a) reviewed**

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DARULA, Stanislav – KITTLER, Richard Relation between daylight illuminance courses and sunshine duration. In *Proc. 6th Int. Conf. Světlo 2004*, CSO Brno, ISBN 80-238-8928-1, p. 168-1712.

DRŽÍK, Milan – RYPÁK, M. – SLABEYCIUS, J. – KOŠTIAL, P. – RUSNÁKOVÁ, S. Určenie prvých rezonančných módov kmitajúcich pneumatík. In *KLABNÍK, M. SRC 2004: CD-ROM Proceedings of 16th Slovak Rubber Conference, Púchov, Slovakia, 19-20 May 2004*. Púchov: GC-TECH Ing. Peter Gerši v spolupráci s TrU A. Dubčeka v Trenčíne. Paper - No. SRC04-PA-0600.

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