

**BIBLIOGRAFIA SELECTIVĂ A LUCRĂRILOR ȘTIINȚIFICE
PUBLICATE DE CADRELE DIDACTICE, DOCTORANZI, STUDENȚI
CERCETĂTORII ȘTIINȚIFICI ȘI PROFESORII ASOCIAȚI DE LA
UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA**

2010

FACULTATEA DE ARHITECTURĂ ȘI URBANISM

SOCACIU, Nicolae; PETRINA, Bogdan; CĂTĂRIG, Alexandru; PETRINA, Tudor; Hulea, R.; Zoicaș, R. Issues regarding stadiums resistance structures. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 156-168, 13 fig., 9 ref. bibliogr. Rez. rom.

FACULTATEA DE AUTOMATICĂ ȘI CALCULATOARE

Catedra: Automatică

Muntean, Maria; Ileană, Ioan; Rotar, Corina; VĂLEAN, Honoriu. Improving classification with cost-sensitive approach and support vector machine. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June 2010. Sibiu : „Lucian Blaga” University, 2010, p. 180-185, 8 fig., 3 tab., 11 ref. bibliogr.

Santa, Maria; Cuibus, Octavian; LEȚIA, Tiberiu. Train scheduling with delay time Petri Nets and genetic algorithms. În: Proceedings of the 14th International Conference on System Theory and Control. (Joint Conference of SINTES14, SACCS10, SIMSIS14). Sinaia, Romania, October 17-19, 2010. Craiova: Tipografia Universității din Craiova, 2010, p. 479-484, 6 fig., 3 tab., 24 ref. bibliogr.

Catedra: Calculatoare

ANGHEL, Ionuț; CIOARĂ, Tudor; SALOMIE, Ioan; Copil, Georgiana; Moldovan, Daniel. An autonomic algorithm for energy efficiency in service centers. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 281-288, 10 fig., 4 tab., 27 ref. bibliogr.

BACU, Victor; Rodilă, Denisa; Mihon, Vasile; Ștefănuț, Teodor; GORGAN, Dorian. Error prevention and recovery mechanisms in the ESIP platform. În: 2010 IEEE 6th International Conference on Intelligent Computer

Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 411-417, 4 fig., 10 ref. bibliogr.

Balla-Müller, Nóra; LEMNARU, Camelia; POTOLEA, Rodica. Semi-supervised learning with lexical knowledge for opinion mining. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 19-25, 1 fig., 7 tab., 16 ref. bibliogr.

Bărbăntan, Ioana; POTOLEA, Rodica. Enhancements on a signature recognition problem. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 141-147, 4 fig., 4 tab., 13 ref. bibliogr.

Brehar, Raluca; NEDEVSCHI, Sergiu; Dăian, Lorena. Pillars detection for side viewed vehicles. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 250, 6 fig., 1 tab., 10 ref. bibliogr.

CHIFU, Viorica; POP, Cristina; SALOMIE, Ioan; DINSOREANU, Mihaela; Acretoaie, Vlad; David, Tudor. An ant-inspired approach for semantic web service clustering. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June 2010. Sibiu : „Lucian Blaga” University, 2010, p. 145-150, 1 fig., 1 tab., 17 ref. bibliogr.

CHIFU, Viorica; POP, Cristina; SALOMIE, Ioan; DINSOREANU, Mihaela; Kövér, Alpár; Vacheter, Roland. Web service composition technique based on a service graph and particle swarm optimization. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 265-272, 2 fig., 3 tab., 7 ref. bibliogr.

CIOARĂ, Tudor; ANGHEL, Ionuț; SALOMIE, Ioan; DINSOREANU, Mihaela; Copil, Georgiana; Moldovan, Daniel. A self-adapting algorithm for context aware systems. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June 2010. Sibiu : „Lucian Blaga” University, 2010, p. 374-379, 8 fig., 3 tab., 21 ref. bibliogr.

CIOARĂ, Tudor; POP, Cristina; ANGHEL, Ionuț; SALOMIE, Ioan; DINSOREANU, Mihaela; Condor, Irina; Fodor, Mihaly. Immune-inspired technique for optimizing server's energy consumption. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and

Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 273-280, 9 fig., 2 tab., 27 ref. bibliogr.

CHIFU, Emil; LEȚIA, Ioan. Unsupervised semantic annotation of web service datatypes. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 43-50, 3 fig., 1 tab., 12 ref. bibliogr.

DĂDĂRLAT, Vasile; Jeler, Raluca; PECULEA, Adrian; IANCU, Bogdan; CEBUC, Emil; ARDELEAN, Cosmin. Development framework for congestion avoidance mechanisms. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 67-74, 17 fig., 12 ref. bibliogr.

Drulea, Marius; PETER, Ioan; NEDEVSCI, Sergiu. Optical flow. A combined local-global approach using L1 norm. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 217-222, 5 tab., 17 ref. bibliogr.

Firte, Loredana; LEMNARU, Camelia; POTOLEA, Rodica. Spam detection filter using KNN algorithm and resampling. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 27-33, 11 fig., 15 ref. bibliogr.

Golban, Cătălin; Golban, Ionuț; NEDEVSCI, Sergiu. Vision based three-dimensional vehicle motion detection by minimizing nonlinear functions. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 239-242, 4 fig., 11 ref. bibliogr.

Halalai, Raluca; LEMNARU, Camelia; POTOLEA, Rodica. Distributed community detection in social networks with genetic algorithms. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 35-41, 6 fig., 15 ref. bibliogr.

Haller, Istvan; NEDEVSCI, Sergiu. GPU optimization of the SGM stereo algorithm. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 197-202, 6 fig., 14 ref. bibliogr.

- HANGAN, Anca; SEBESTYEN, Gheorghe. Simulation-based evaluation of real-time multiprocessor scheduling strategies. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 375-378, 3 fig., 7 ref. bibliogr.
- IANCU, Bogdan; DĂDĂRLAT, Vasile; PECULEA, Adrian. A novel end-to-end QoS framework over heterogeneous networks - an architectural approach. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 42-45, 5 fig., 7 ref. bibliogr.
- Iancu, Voichița; IGNAT, Iosif. A distributed database with self-extending capabilities, to compensate exclusion of malicious nodes. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June 2010. Sibiu: „Lucian Blaga” University, 2010, p. 240-245, 6 fig., 15 ref. bibliogr.
- Iancu, Voichița; IGNAT, Iosif. A scalable solution for balancing the peer load in a chord DHT. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 297-304, 4 fig., 14 ref. bibliogr.
- Indrie, Sergiu; GROZA, Adrian. Enacting argumentative web in semantic wikipedia. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June 2010. Sibiu : „Lucian Blaga” University, 2010, p. 163-168, 6 fig., 1 tab., 13 ref. bibliogr.
- Indrie, Sergiu; GROZA, Adrian. Towards social argumentative machines. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 99-102, 2 fig., 1 tab., 6 ref. bibliogr.
- IVAN, Cosmina; DĂDĂRLAT, Vasile. A conceptual framework and implementation for developing WS – QoS aware architectures. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 23-30, 3 fig., 1 tab., 16 ref. bibliogr.
- LEȚIA, Ioan; GORON, Anca. Handling incompletely specified contracts by argumentation. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 103-106, 2 fig., 1 tab., 4 ref. bibliogr.
- LEȚIA, Ioan; Marian, Dan. Implementing agents for intrusion detection. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June

2010. Sibiu : „Lucian Blaga” University, 2010, p. 15-20, 1 fig., 12 ref. bibliogr.
- LEȚIA, Ioan; Marian, Dan. Maintenance agents for the computer security domain. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 111-114, 8 ref. bibliogr.
- LEȚIA, Ioan; MĂRGINEAN, Anca. From normative to cognitive layer through expectations. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 107-110, 8 ref. bibliogr.
- LEȚIA, Ioan; POP, Octavian. Ontology matching and verification system using concept description translation. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 51-58, 8 ref. bibliogr.
- LEȚIA, Ioan; SLĂVESCU, Radu. Collaborative agent planning using a subjective logic based trust model. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 115-118, 1 fig., 7 ref. bibliogr.
- Lipan, Florin; GROZA, Adrian. Mining traffic patterns from public transportation GPS data. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 123-126, 4 fig., 3 tab., 5 ref. bibliogr.
- Lișca, Gheorghe; Jeong, Pangu; NEDEVSCHI, Sergiu. Automatic one step extrinsic calibration of a multi layer laser scanner relative to a stereo camera. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 223-230, 5 fig., 3 tab., 14 ref. bibliogr.
- Mihon, Vasile; BACU, Victor; Ștefănuț, Teodor; GORGAN, Dorian. Considerations on the grid oriented environmental application development framework. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 419-426, 8 fig., 13 ref. bibliogr.

- Mureșan, Rusalca; LEMNARU, Camelia; POTOLEA, Rodica. Evidence combination for baseline accuracy determination. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 11-18, 3 fig., 3 tab., 12 ref. bibliogr.
- NEDEVSCHI, Sergiu; PETER, Ioan; Dobos, Ioana; Prodan, Cristina. An improved PCA type algorithm applied in face recognition. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 259-262, 4 fig., 1 tab., 6 ref. bibliogr.
- NEDEVSCHI, Sergiu; Popescu, Voichița, MARIȚA, Tiberiu; DĂNESCU, Radu; Meinecke, Marc; Obojski, Marian; Knaup, Joern. Intersection representation enhancement by sensorial data and digital map alignment. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 393-400, 16 fig., 11 ref. bibliogr.
- NEDEVSCHI, Sergiu; PETER, Ioan; RUS, Mircea. Optical flow estimation by extreme points. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 361-366, 10 ref. bibliogr.
- ONIGA, Florin; DĂNESCU, Radu; NEDEVSCHI, Sergiu. Mixed road surface model for driving assistance systems. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 185-190, 8 fig., 11 ref. bibliogr.
- Pantilie, Cosmin; Bota, Silviu; Haller, Istvan; NEDEVSCHI, Sergiu. Real-time obstacle detection using dense stereo vision and dense optical flow. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 191-196, 5 fig., 16 ref. bibliogr.
- PECULEA, Adrian; Jeler, Raluca; DĂDÂRLAT, Vasile; CEBUC, Emil; IANCU, Bogdan; ARDELEAN, Cosmin. A novel framework for the development of congestion avoidance mechanisms. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June 2010. Sibiu : „Lucian Blaga” University, 2010, p. 265-270, 13 fig., 10 ref. bibliogr.
- Pojar, Dan; Jeong, Pangyu; NEDEVSCHI, Sergiu. Localization in urban traffic environment for mobile robots based on stereo real-time lightweight odometry. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca,

August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 231-238, 7 fig., 16 ref. bibliogr.

SUCIU, Alin; MARTON, Kinga; CEBUC, Emil; DADÂRLAT, Teodor; SEBESTYEN, Gheorghe. Gathering entropy from the grid with GridHAVEGE. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 459-463, 4 fig., 1 tab., 14 ref. bibliogr.

SUCIU, Alin; Nagy, Iszabela; Marton, Kinga; Pinca, Ioana. Parallel implementation of the NIST statistical test suite. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 363-368, 9 fig., 1 tab.

SUCIU, Alin; Zegreanu, Lidia; Zima, Cătălin. Statistical testing of random number sequences using CUDA. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 369-374, 9 fig., 2 tab., 8 ref. bibliogr.

TODORAN, Eneia; Simina, Dorin; Bâlc, Mirel; Zaharia, Dan. Distributed objects and join methods: design issues and operational semantics. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 321-328, 15 ref. bibliogr.

VANEA, Andrei; POTOLEA, Rodica. A heirarchical semantically enhanced multimedia data warehouse. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 3-9, 7 fig., 12 ref. bibliogr.

Vatavu, Andrei; NEDEVSCI, Sergiu; ONIGA, Florin. Real-time environment representation based on occupancy grid temporal analysis using a dense stereo-vision system. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 203-209, 7 fig., 17 ref. bibliogr.

Vicaș, Cristian; NEDEVSCI, Sergiu. Performance evaluation of the textural analysis algorithms in liver fibrosis detection using ultrasound software phantoms. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca,

August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 155-162, 8 fig., 2 tab., 40 ref. bibliogr.

Catedra: Matematică

CIUPA, Alexandra. Positive linear operators for the approximation in infinite interval. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 251-260, 3 ref. bibliogr.

COSTIN, Iulia. Invariance of the logarithmic mean with respect to the family of Stolarsky means. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 261-268, 8 ref. bibliogr.

GAVREA, Ioan; HOLDOȘ, Adrian. The rate of approximation of real functions by rational functions with prescribed numerator degree. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 273-280, 7 ref. bibliogr.

ILE, Vasile. Logic type function in the torsion problem of regular hexagonal shape cut bar. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 281-288, 1 fig., 3 ref. bibliogr.

INOAN, Daniela; RAȘA, Ioan. Inequalities for special means. În: Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity. Cluj-Napoca, vol. 8, 2010, p. 39-43, 10 ref. bibliogr.

IVAN, Mircea; TODORAN, Eneia. Comparative metric semantics for modern second order communication abstractions. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 209-225, 1 app., 22 ref. bibliogr.

LUNGU, Nicolae; CIPLEA, Sorina. Ulam stability of some integral equations from economic dynamics. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 289-293, 7 ref. bibliogr.

MARIAN, Daniela. On h-E-convexity. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 305-311, 7 ref. bibliogr.

MITREA, Alexandru. On the convergence of a class of numerical differentiation formulas. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 325-331, 7 ref. bibliogr.

MUREȘAN, Viorica. Existence, uniqueness and data dependence results for the solution of a Volterra-Sobolev functional-integral equation. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 343-350, 15 ref. bibliogr.

POP, Vasile. On some functional equations defined by means. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 375-381, 5 ref. bibliogr.

TOADER, Gheorghe; TOADER, Silvia. Invariance of an extended logarithmic mean with respect to weighted Gini means. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 383-390, 11 ref. bibliogr.

TODEA, Constantin. Remarks on varieties in block cohomology. În: ACAM. Cluj-Napoca, vol. 19, nr. 2, 2010, p. 391-396, 6 ref. bibliogr.

FACULTATEA DE CONSTRUCȚII

Catedra: Căi ferate, Drumuri, Poduri

ILIESCU, Mihai; Pop, Mariana. Performance of modified asphalt mixtures obtained using plastomers added in station. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 115-123, 8 fig., 1 tab., 2 ref. bibliogr. Rez. rom.

MOGA, Petru; GUȚIU, Ștefan; ILEA, Octavian. Steel box members subjected to compression. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 12-23, 13 fig., 1 tab., 6 ref. bibliogr. Rez. rom.

Catedra: Construcții Civile, Fundații și Materiale de Construcții

DARMON, Ruxandra. The fire spread outside of a building. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 152-155, 2 fig., 1 tab., 9 ref. bibliogr. Rez. rom.

Diao, Ousseynou; MOGA, Ioan; MOGA, Ligia. Numerical solving of the thermal singularity of the ground-building connection in permanent thermal regime. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 146-151, 6 fig., 2 tab., 6 ref. bibliogr. Rez. rom.

Hulpus, T.; POPA, A. Finite element analyses of a multi-propped diaphragm wall. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 72-82, 10 fig., 3 tab., 9 ref. bibliogr. Rez. rom.

Molnar, Iulia; POPA, A.; Mureșan, O. Yielding criteria uses in geotechnical engineering problems. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 62-71, 10 fig., 14 ref. bibliogr. Rez. rom.

Catedra: Construcții din Beton Armat, Construcții Metalice

CÂMPIAN, Cristina; Sav, Vlăduț; Haupt-Karp, Alina. Studies on composite steel concrete columns. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 22-31, 7 fig., 1 tab., 7 ref. bibliogr. Rez. rom.

Gîlia, Lucian; Nagy, Zsolt; PĂCURAR, Vasile. Structural behavior of corrugated web cold-formed girders. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 221-231, 12 fig., 1 tab., 30 ref. bibliogr. Rez. rom.

Muntean, Gavrilă; Muntean, Radu; ONEȚ, Traian. Checking the concordance between the theoretical and the experimental model for brick masonry walls consolidated with ferrocement coating. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 104-114, 5 fig., 2 annexes, 14 ref. bibliogr.

Muntean, Gavrilă; Muntean, Radu; ONEȚ, Traian. Consolidating brick masonry structural walls using ferrocement coating. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 96-103, 7 fig., 11 ref. bibliogr.

Olar, R.; ONEȚ, Traian. The high performance concrete elements calculus using Eurocode 2. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 54-57, 1 fig., 7 tab., 3 ref. bibliogr.

Olar, R.; ONEȚ, Traian. The multistoried structures realised from high performance concrete. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 58-61, 1 fig., 2 tab., 2 ref. bibliogr.

Sosa, Ioan; MĂGUREANU, Cornelia. Shrinkage of ultra-high performance concrete. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 32-37, 4 fig., 1 tab., 12 ref. bibliogr. Rez. rom.

Catedra: Geodezie și Grafică Inginerească

ROIB, Voichița. Using the satellite positioning system within the public transportation management. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 208-213, 4 fig., 1 tab., 12 ref. bibliogr. Rez. rom.

Catedra: Mecanica Construcțiilor

Nicoreac, Monica; Pârv, Bianca; PETRINA, Mircea; PETRINA, Tudor. Similitude theory and applications. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 187-196, 2 fig., 8 tab., 6 ref. bibliogr. Rez. rom.

Pârv, Bianca; Nicoreac, Monica; PETRINA, Mircea; PETRINA, Tudor. Results of the Romanian researchers from Cluj-Napoca concerning high-rise structures. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 197-207, 5 fig., 6 ref. bibliogr. Rez. rom.

PETRINA, Mircea; SOCACIU, Nicolae; PETRINA, Tudor; Nicoreac, Monica; Pârv, Bianca. The steel structure for the roof of the city stadium of Cluj-Napoca. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 178-186, 13 fig., 11 ref. bibliogr. Rez. rom.

PETRINA, Tudor; PETRINA, Mircea; SOCACIU, Nicolae; Pârv, Bianca; Nicoreac, Monica. Precast reinforced concrete elements of structure of the city stadium of Cluj-Napoca. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 169-177, 17 fig., 10 ref. bibliogr. Rez. rom.

FACULTATEA DE CONSTRUCȚII DE MAȘINI

Catedra: Limbi Străine

ALBU, Octaviana. Approaches to assessment in higher education. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 1, 2010, p. 1-4, 5 ref. bibliogr. Rez. rom.

BĂRBÎNȚĂ, Aurel. L'élément interculturel dans la didactique du français (The intercultural aspect in the teaching of French). În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 2, 2010, p. 1-4, 12 ref. bibliogr. Rez. rom.

BĂRBÎNȚĂ, Aurel. Évaluation et certification de la compétence linguistique en français (Assessment and certification of language proficiency in French). În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 1, 2010, p. 5-8, 4 ref. bibliogr. Rez. rom.

BĂRBÎNȚĂ, Aurel. Sources de la didactique ionescienne (Sources for Ionesco's didactics). În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 4, 2010, p. 1-7, 5 ref. bibliogr. Rez. rom.

- BULGARU, Cristiana. Évaluer la compétence linguistique des étudiants polytechniciens – sur les tests de fin d'apprentissage. Evaluation of technical students' linguistic competence at the conclusion of the foreign language study. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 1, 2010, p. 15-19, 3 ref. bibliogr. Rez. rom.
- CĂPRARU, Angelica. Le caratteristiche del neostandard italiano (The features of the new standard Italian language). În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 2, 2010, p. 6-10, 8 ref. bibliogr. Rez. rom.
- CĂPRARU, Angelica. Hacia la autonomía del estudiante en la enseñanza de idiomas a nivel universitario (Towards learner autonomy in foreign language teaching at university level). În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 2, 2010, p. 11-16, 6 ref. bibliogr. Rez. rom.
- CĂPRARU, Angelica. Valutazione e certificazione delle competenze linguistiche. Assessment and certification of language skills. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 1, 2010, p. 20-24, 6 ref. bibliogr. Rez. rom.
- COSTIN, Alexandra. Testing technical students' linguistic competence. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 1, 2010, p. 25-29, 6 ref. bibliogr. Rez. rom.
- GRĂNESCU, Marinela; IOANI, Monica. Surse ale extinderii lexicale în limbajul științific și tehnic englez și francez. (Lexical expansion sources in English and French scientific and technical language). În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 2, 2010, p. 17-22, 5 ref. bibliogr. Abstr. Engl.
- IOANI, Monica; GRĂNESCU, Marinela. Tangent and divergent points between languages. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 2, 2010, p. 24-30, 7 ref. bibliogr. Rez. rom.
- INDOLEAN, Daciana. Industrial training programmes – A possible solution for teaching ESP to technical students. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 1, 2010, p. 30-32, 1 ref. bibliogr.
- LITERAT, Ruxandra. An experiment-based evaluative approach to ESP teaching. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 1, 2010, p. 33-42, 8 ref. bibliogr. Rez. rom.
- LITERAT, Ruxandra. Învățarea terminologiei – cunoașterea codului științelor tehnice. Learning terminology – knowing the code of technology. În: Acta

Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 3, 2010, p. 1-4, 3 ref. bibliogr. Abstr. Engl.

LITERAT, Ruxandra. Modele de comunicare verbală. Models of verbal communication. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 3, 2010, p. 5-10, 2 fig., 7 ref. bibliogr. Abstr. Engl.

MUNTEANU, Sonia. The abstracts of RAs in *Mechatronics*: A discussion of structure and function. În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 3, 2010, p. 11-20, 3 tab., 31 ref. bibliogr. Rez. rom.

NEGOESCU, Monica. Folcloriști saxo-români ai secolelor trecute (Romanian-saxon folklorists of the past centuries). În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 4, 2010, p. 8-14, 14 ref. bibliogr. Abstr. engl.

NEGOESCU, Monica. Teaching translation: useful or useless for the technical student? În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 3, 2010, p. 21-24, 4 ref. bibliogr. Rez. rom.

OPRIȘ, Miruna. Neue Kommunikationsstrategien im Fachsprachenunterricht (Communication strategies in teaching LSP). În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 3, 2010, p. 25-28, 2 fig., 3 ref. bibliogr. Rez. rom.

PĂDUREȚU, Sanda. Experiența romanului foileton. Romanul de mistere (The experience of the serial-story novel. The mystery novel.) În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 4, 2010, p. 23-32. Rez. rom.

PĂDUREȚU, Sanda. Motivul recunoașterii și experiența romanului foileton. (The literary motive of the recognition and the experience of the serial-story novel.) În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 4, 2010, p. 15-22. Rez. rom.

SZASZ, Augusta. Toponimia orașului Beclean. (The toponymy of the town of Beclean) În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 4, 2010, p. 33-39, 19 ref. bibliogr. Rez. rom.

TRIPON, Mona. Die Androgynieutopie in Thomas Manns Erzählung "Die vertauschten Köpfe". (The androgynous utopia in Thomas Mann's novella: "The transposed heads") În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 4, 2010, p. 40-46, 10 ref. bibliogr. Abstr. Engl.

VLAICU, Rodica. Fragmentele grupului de la "Athenäum" (The fragments of the "Athenäum" group) În: Acta Technica Napocensis. Languages for Specific

Purposes. Cluj-Napoca, vol. 10, nr. 4, 2010, p. 47-71, 14 ref. bibliogr. Abstr. Engl.

VLAICU, Rodica. Modalités d'approche didactique du discours spécialisé (Didactic approach modalities of the specialised discourse) În: Acta Technica Napocensis. Languages for Specific Purposes. Cluj-Napoca, vol. 10, nr. 3, 2010, p. 30-35, 1 tab., 5 ref. bibliogr. Rez. rom.

Catedra: Management și Ingineria Sistemelor

Piciu, Radu; ABRUDAN, Ioan; BACALI, Laura. Statistical testing of hypotheses about the relationship: medical analysis laboratories – doctor – patient. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 743-748, 1 tab., 6 ref. bibliogr. Rez. rom.

Catedra: Mașini-Unelte și Roboți Industriali

Blebea, Adrian; BLEBEA, Ioan. The analysis of gripping process in relationship with handling tasks. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 521-528, 3 fig., 9 tab., 6 ref. bibliogr. Rez. rom.

BLEBEA, Ioan; Blebea, Adrian. A practical algorithm for appropriate choosing the size harmonic gearhead for robotic applications. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 387-392, 12 fig., 5 ref. bibliogr. Rez. rom.

BRAD, Emilia; BRAD, Stelian. Model for quantifying the reconfiguration index of reconfigurable manufacturing equipments. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 503-508, 2 fig., 2 tab., 8 ref. bibliogr. Rez. rom.

BRAD, Emilia; POPESCU, Sorin. Design principles of reconfigurable manufacturing equipments. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 509-514, 5 tab., 6 ref. bibliogr. Rez. rom.

BRAD, Stelian; BRAD, Emilia. Swarm intelligence-based evolutionary algorithm for conceptual design of reconfigurable manufacturing equipments. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 393-398, 4 fig., 11 ref. bibliogr. Rez. rom.

MOCAN, Bogdan; BRAD, Stelian; Mada, Sergiu. A case study using a DFAFD-centered approach for designing robotic assembly cells. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 111-116, 4 fig., 10 ref. bibliogr. Rez. rom.

NEDEZKI, Claudiu; BRAD, Emilia. The analysis of the singularities of the parallel spatial manipulator 3RUU. În: Acta Technica Napocensis. Applied

Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 653-656, 3 fig., 1 tab., 2 ref. bibliogr. Rez. rom.

NEDEZKI, Claudiu; BRAD, Emilia. Workspace analysis for 3RUU parallel manipulator. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 649-652, 5 fig., 1 tab., 3 ref. bibliogr. Rez. rom.

NEDEZKI, Claudiu; JULEAN, Dănuț; BRAD, Emilia. Inverse geometric model of 3RUU manipulator. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 487-490, 2 fig., 2 tab., 2 ref. bibliogr. Rez. rom.

POPESCU, Sorin; BRAD, Emilia. Performance planning of reconfigurable manufacturing equipments. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 445-450, 2 fig., 8 tab., 8 ref. bibliogr. Rez. rom.

Catedra: Mecanică și Programare

ANTAL, Tiberiu. Programming Autocad using Jawin from Java in Jdeveloper. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 481-486, 2 fig., 5 ref. bibliogr. Rez. rom.

ARGHIR, Mariana; Mihăilă, Ioan. A study by recording manipulator digital images with shades of gray. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 371-376, 5 fig., 3 ref. bibliogr. Rez. rom.

ARGHIR, Mariana; Mihăilă, Ioan. Processing images in the movement manipulators through acquisition and processing of images. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 377-386, 12 fig., 5 ref. bibliogr. Rez. rom.

Gui (Lung), Ramona; DETEȘAN, Ovidiu; ISPAS, Viorel. The dynamic equations of the TRTR robot using the Newton-Euler method. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 551-560, 2 fig., 1 tab., 6 ref. bibliogr. Rez. rom.

Gui, Ramona; DETEȘAN, Ovidiu; ISPAS, Viorel. The geometric modeling of the serial modular robot TRTTR1. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 89-94, 2 fig., 5 ref. bibliogr. Rez. rom.

Gui (Lung), Ramona; ISPAS, Viorel. Study on the occupied positions by the flange handled by the industrial TRTR robot. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 561-564. 1 fig., 4 ref. bibliogr. Rez. rom.

- Horvat, Claudia; ISPAS, Viorel. The direct geometrical model of the RRRRRR robot. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 571-576, 2 fig., 3 ref. bibliogr. Rez. rom.
- Horvat, Claudia; ISPAS, Viorel; DETEȘAN, Ovidiu. The direct kinematics model of the RRRR robot. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 565-570, 1 fig., 3 ref. bibliogr. Rez. rom.
- ISPAS, Viorel; Gui, Ramona-Maria; ISPAS, Virgil. The dynamic equations of the industrial serial modular robot TRTTR1. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 7-12, 3 fig., 3 ref. bibliogr. Rez. rom.
- ISPAS, Viorel; Mic, Lavinia. The dynamic study of the serial modular robot TRTR1. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 425-428, 3 fig., 4 ref. bibliogr. Rez. rom.
- ISPAS, Viorel; Trif, Adrian. Considerations about positioning accuracy of characteristic point. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 417-424, 14 fig., 14 ref. bibliogr. Rez. rom.
- Kovacs, Gabriela; URSU-FISHER, Nicolae, Vass Andrea. Contributions to the study of the particle movement on the vibrating-conveyor plate, actuated by two motors. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 103-110, 16 fig., 16 ref. bibliogr. Rez. rom.
- LUPEA, Iulian; Nemet, Leontin. Modal analysis of an exhaust system. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 429-432, 14 fig., 6 ref. bibliogr. Rez. rom.
- Mihăilă, Ioan, ARGHIR, Mariana. Kinematic analysis of a pneumatically-driven manipulator. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 581-586, 31 fig., 5 ref. bibliogr. Rez. rom.
- Mihăilă, Ioan; ARGHIR, Mariana. Purchase information video for a manipulator. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 577-580, 4 fig., 5 ref. bibliogr. Rez. rom.
- MORARIU-GLIGOR, Radu. The influence of the driving engine's momentum and speed on the behavior of a tamping rammer. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 55-60, 7 fig., 15 ref. bibliogr. Rez. rom.

- MORARIU-GLIGOR, Radu. A study on the behaviour of tamping rammer for different values of damping ratio and spring's elasticity constants. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 515-520, 7 fig., 15 ref. bibliogr.
- MORARIU-GLIGOR, Radu. A study on the influence of the angle of phase between eccentrics in the functioning of reversible plate compactors. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 47-54, 12 fig., 12 ref. bibliogr. Rez. rom.
- MORARIU-GLIGOR, Radu; GLIGOR, Gheorghe. The study of behaviour of the tamping rammer based on phase diagram. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 643-648, 9 fig., 1 tab., 15 ref. bibliogr. Rez. rom.
- NEGREAN, Iuliu; Schonstein, Claudiu. Advanced studies on matrix exponentials in robotics. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 13-18, 2 fig., 1 tab., 6 ref. bibliogr. Rez. rom.
- NEGREAN, Iuliu; Shonstein, Claudiu; KACSO, Kalman; Duca, Adina. New formulations about the dynamics of a 2TR-type robot structure. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 439-444, 5 fig., 1 tab., 6 ref. bibliogr. Rez. rom.
- NEGREAN, Iuliu; Schonstein, Claudiu; Mura, Sanda; KACSO, Kalman. Kinematical control functions for a 2TR type robot. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 433-438, 9 fig., 2 tab., 6 ref. bibliogr. Rez. rom.
- POP, Aurora; Truță, Aurica; Fodor, Gabriel; ARGHIR, Mariana. The measurements of mechanical vibration for the human hand-arm system. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 661-664, 8 fig., 4 ref. bibliogr. Rez. rom.
- Șaramet, Simona; ARGHIR, Mariana. Measurements and experiments performed using Kistler plaque near a pneumatic hammer. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 711-718, 17 fig., 4 ref. bibliogr. Rez. rom.
- Șaramet, Simona; Truță, Aurica; ARGHIR, Mariana. Experiments of learning to working space vibrations performed SV AN 958. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 719-722, 9 fig., 4 tab., 3 ref. bibliogr. Rez. rom.
- Szathmari, Robert; LUPEA, Iulian. Frequency response analysis on a passenger compartment. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 607-612, 9 fig., 2 tab., 9 ref. bibliogr. Rez. rom.

- Todică, Georgeta; ARGHIR, Mariana. Mathematical model for noise barriers from solid brick. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 729-732, 4 fig., 6 ref. bibliogr. Rez. rom.
- Truță, Aurica; POP, Aurora; ARGHIR, Mariana. The human body under the action of building vibrations in a residential house. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 665-668, 6 fig., 7 ref. bibliogr. Rez. rom.
- Urs (Jurcă) Simona; ARGHIR, Mariana. Biomechanical modeling of the human body with two degrees of freedom. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 733-736, 4 fig., 5 ref. bibliogr. Rez. rom.
- URSU-FISCHER, Nicolae; POPESCU, Diana. The ray-tracing method in acoustics and the estimation of acoustic field parameters. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, p. 463-468, 10 fig., 21 ref. bibliogr. Rez. rom.
- URSU-FISCHER, Nicolae; POPESCU, Diana. Representation of the equal insertion loss curves behind noise barriers. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 19-24, 17 fig., 21 ref. bibliogr. Rez. rom.
- URSU-FISCHER, Nicolae; POPESCU, Diana. Some geometrical aspects of the ray-tracing method in acoustics. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, p. 469-476, 13 fig., 20 ref. bibliogr. Rez. rom.
- URSU-FISCHER, Nicolae; POPESCU, Diana; URSU, Mihai. Algorithm for calculation the variable frequency of the received sound, emitted by a mobile source. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 25-30, 6 fig., 1 tab., 9 ref. bibliogr. Rez. rom.
- Vass, Andrea; URSU-FISCHER, Nicolae; Kovacs, Gabriela. New method for the vibro-conveyor lamellar springs dimensional optimization. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 613-616, 8 fig., 11 ref. bibliogr. Rez. rom.

Catedra: Organe de Mașini și Tribologie

- PUSTAN, M.; Rochus, V.; Golinval, J. Effects of the geometrical dimensions on stress and strain of electrostatically actuated MEMS resonators at pull-in and stiction positions. În: 11th International Conference on Thermal, Mechanical & Multi-Physics Simulation and Experiments in Microelectronics and Microsystems: EuroSimE 2010. Proceedings.

Bordeaux, France, April 26-27-28, 2010. IEEE: Piscataway, NJ, 2010, p. 701-705, 11 fig., 5 ref. bibliogr.

Catedra: Tehnologia Construcțiilor de Mașini

Bocșan, Iulia; HANCU, Liana; BORZAN, Marian. Review regarding researches about shape memory polymers. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 673-678, 5 fig., 2 tab., 6 ref. bibliogr. Rez. rom.

Budai, Alina; ACHIMAȘ, Gheorghe; Săcară, Alin. Possibilities to increase the number of forming operations in the case of drawn sheet parts by using the hydro-mechanical deep drawing process. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 529-532, 5 fig., 8 ref. bibliogr. Rez. rom.

Cigan, Vlad; VUȘCAN, Ioan. Researches regarding grinding of used parts reconditioned with plasma sprayed ceramic coatings. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 679-682, 4 fig., 2 tab., 8 ref. bibliogr. Rez. rom.

Cioban, Dorin; ACHIMAȘ, Gheorghe; LĂZĂRESCU, Lucian; Săcară, Alin. Considerations regarding total quality in services. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 77-82, 3 fig., 10 ref. bibliogr. Rez. rom.

Câmpean, Ramona; Petean, Ioan; ARGHIR, George; Burtescu, Andrei. In situ measurement of water electrical conductivity and turbidity for St. Ana Lake – Romania. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 533-538, 4 fig., 20 ref. bibliogr. Rez. rom.

Cuc, Bogdan; ACHIMAȘ, Gheorghe; Budai, Alina. Incremental forming of sheet metals used in small batch and prototype manufacturing. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 683-690, 12 fig., 11 ref. bibliogr. Rez. rom.

GLIGOR, Gheorghe; GROZAV, Sorin; MORARIU-GLIGOR, Radu. Roughness analysis on lead and aluminum parts obtained by combined cold extrusion. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 629-632, 7 fig., 2 tab., 7 ref. bibliogr. Rez. rom.

Jula, Felicia; BORZAN, Marian; TRIF, Adrian; Mureșan, Mihaela. Studies and researches regarding the improvement of the “black thread course” defect in sealing couplings. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 691-694, 5 fig., 5 ref. bibliogr. Rez. rom.

- Kiksi, Vasile; ACHIMAȘ, Gheorghe; LĂZĂRESCU, Lucian; HARAGĂȘ, Simion. Systems for application of lubricants and demolding force in the injection of aluminium parts. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 95-102, 8 fig., 13 ref. bibliogr. Rez. rom.
- Mircea, Ancuța; VUȘCAN, Ioan. The analyze of automatic supply-exhausting systems of machining centre, with complex shape of parts. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 695-700, 7 fig., 5 ref. bibliogr. Rez. rom.
- Mircea, Ancuța; VUȘCAN, Ioan. Using of modular elements in construction of automated fixtures. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 587-592, 8 fig., 4 ref. bibliogr. Rez. rom.
- Mureșan, Mihaela; BORZAN, Marian; TRIF, Adrian; Jula, Felicia. Research regarding mills recondition methodology. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 701-704, 10 fig., 1 tab., 3 ref. bibliogr. Rez. rom.
- Popescu, Adrian; IANCĂU, Horațiu; Florea, Claudiu. Considerations regarding the influence of temperature into extrusion process of thermoplast polymeric materials. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 705-710, 4 fig., 7 ref. bibliogr. Rez. rom.
- Szécsi, Dénes; ACHIMAȘ, Gheorghe; Budai, Alina. Recommendations for improving the ISO 24213-2008 methodology of assessing the springback of sheet metal parts. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 723-728, 6 fig., 20 ref. bibliogr. Rez. rom.
- TRIF, Adrian; ISPAS, Viorel. The direct kinematics model of the RRTR robot. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 657-660, 1 fig., 7 ref. bibliogr. Rez. rom.
- VUȘCAN, Ioan; Micaciu, Alexandru. Mechanical system for generating of helicoidally motion. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, p. 477-480, 5 fig., 8 ref. bibliogr. Rez. rom.

FACULTATEA DE ELECTRONICĂ, TELECOMUNICAȚII ȘI TEHNOLOGIA INFORMATIEI

Catedra: Bazele Electronicii

- Catuna, Ioan; SZOPOS, Erwin; ȚOPA, Marina. LabVIEW FPGA implementation of digital reverberators. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 39-42, 10 fig., 2 tab., 7 ref. bibliogr.
- Conțan, Cristian; ȚOPA, Marina; Homăna, Ioana; KIREI, Botond. Nonlinear system identification using adaptive Volterra filters for echo cancelling. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 35-40, 14 fig., 11 ref. bibliogr.
- FEȘTILĂ, Lelia; CÎRLUGEA, Mihaela; SZOLGA, Lorant. Bandgap voltage references based on $F-F^{-1}$ functions. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 11-14, 6 fig., 2 tab., 6 ref. bibliogr.
- GHIURCAU, Marius Vasile; RUSU, Corneliu. About classifying sound in protected environments. În: ISEEE 2010. The 3rd International Symposium on Electrical and Electronics Engineering September. 16-18, 2010, Galati, Romania. 2010, p. 84-87, 13 ref. bibliogr. Cota: 537.984
- NEAG, Marius; Oneț, Raul; ȚOPA, Marina. Analysing the stability of circuits based on operational amplifiers by using frequency-domain simulation. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 46-54, 19 fig., 4 tab., 7 ref. bibliogr.
- SĂRĂCUT, Ioana; POPESCU, Victor; MICU, Dan O. A simulation of the perfectly matched layer in the 3-D case. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 20-25, 13 fig., 11 ref. bibliogr.
- Szalontai, Levente; FEȘTILĂ, Lelia. Using software defined radio and cognitive radio technologies in smart home environments. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 23-28, 7 fig., 19 ref. bibliogr.
- SZOPOS, Erwin; ȚOPA, Marina; FEȘTILĂ, Lelia; HEDEȘIU, Horia. FIR synthesis of the human hearing mechanism response. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 41-44, 11 fig., 8 ref. bibliogr.

Toma, Norbert; ȚOPA, Marina; KIREI, Botond; Homână, Ioana. Acoustic analysis of a room. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 14-19, 13 fig., 9 ref. bibliogr.

Catedra: Comunicații

Antone, Alexandru; ARSINTE, Radu. An experimental study of quality analysis methods in DVB-S/S2 systems. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 7-12, 8 fig., 3 tab., 11 ref. bibliogr.

Botoș, Anghel; POLGAR, Zsolt; Bota, Vasile. Analysis of a transport protocol based on rateless erasure correcting codes. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 465-471, 6 fig., 16 ref. bibliogr.

Catargiu, Raluca; BORDA, Monica. TLS protocol: secure protocol with client puzzles. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 38-41, 3 fig., 2 tab., 10 ref. bibliogr.

David, Marius; BORDA, Monica. A multimodal authentication system. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 17-22, 8 fig., 1 tab., 15 ref. bibliogr.

Kiss, Zsuzsanna; POLGAR, Zsolt; GIURGIU, Mircea. Genetic algorithms for network coding optimization. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 51-56, 13 fig., 70 ref. bibliogr.

LUPU, Eugen; EMERICH, Simina. An approach on bimodal biometric systems. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 43-50, 10 fig., 1 tab., 19 ref. bibliogr.

Mureșan, Nicolae; ORZA, Bogdan; VLAICU, Aurel. Communication between intelligent devices in lonworks control networks. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 57-63, 5 fig., 19 ref. bibliogr.

Pantis, Dan; Spinean, Sorin; Efimov, Alexandra; Ion, Rodica; BORDA, Monica. Single wall nanotubes behaviour in RF field. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 13-16, 4 fig., 1 tab., 15 ref. bibliogr.

Pop, Florin; CREMENE, Marcel; VAIDA, Mircea. Workflow based service composition using genetic algorithms. În: Acta Technica Napocensis.

- Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 26-31, 5 fig., 1 tab., 16 ref. bibliogr.
- Pop, Florin; GORDAN, Mihaela; FLOREA, Camelia; VLAICU, Aurel. Fusion based approach for themal and visible face recognition under pose and expresivity variation. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June 2010. Sibiu : „Lucian Blaga” University, 2010, p. 61-66, 4 fig., 2 tab., 31 ref. bibliogr.
- RUS, Andrei; DOBROTĂ, Virgil; Vedinaș, Adrian; Boanea, Georgeta; Barabas, Melinda. Modified Dijkstra’s algorithm with cross-layer QoS. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 75-80, 8 fig., 7 ref. bibliogr.
- TEREBEȘ, Romulus; BORDA, Monica; POP, Sorin; LUDUȘAN, Cosmin; Laviaille, Olivier. Asymmetric diffusion and fusion techniques for image restoration. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 1, 2010, p. 21-26, 7 fig., 16 ref. bibliogr.
- Ureche, Marius; VAIDA, Mircea; Voina, Alin. Iterative rewards generator for mobile telecommunications operators. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 33-38, 4 fig., 2 tab., 11 ref. bibliogr.
- Veja, Cornelia; GIURGIU, Mircea; Weber, Gisela; Hagedorn, Gregor. Media Wiki interoperability framework for multimedia digital resources. În: 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing. Proceedings. Cluj-Napoca, August 26-28, 2010. Piscataway, NJ: IEEE, 2010, p. 329-335, 3 fig., 20 ref. bibliogr.
- Vermeșan, Irina; PALADE, Tudor; Colda, Rebeca; Moldovan, Ancuța; PUȘCHIȚĂ, Emanuel; Androne, Cristian. Capacity analyses for IEEE 802.11N narrowband and wideband channel modeling. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 59-62, 6 fig., 1 tab., 15 ref. bibliogr.
- Vinti, Cătălin; VARGA, Mihaly; POLGAR, Zsolt; Rus, Andrei; DOBROTĂ, Virgil. Signaling protocol for network coding-based congestion control at network layer. În: 9th RoEduNet IEEE International Conference. Sibiu, Romania, 24-26 June 2010. Sibiu : „Lucian Blaga” University, 2010, p. 304-309, 14 fig., 11 ref. bibliogr.
- Voina, Alin; POP, Petre. DNA patterns localization using spectrograms. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 1, 2010, p. 27-32, 9 fig., 5 tab., 10 ref. bibliogr.

Catedra: Electronică Aplicată

- Cadar, Dorin; PETREUȘ, Dorin; Pătărașu, Toma; PALAGHIȚĂ, Niculaie. Active balancing method for battery cell equalization. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 1-5, 14 fig., 11 ref. bibliogr.
- Cozma, Andrei; PITICĂ, Dan. Design of a programmable control system. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 1, 2010, p. 7-14, 5 fig., 10 ref. bibliogr.
- MAN, Lucian. Electronic circuit board design integration. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 144-151, 28 fig., 5 ref. bibliogr.
- MAN, Lucian; MAN, Eugeniu. Heat transfer transient regime – electrical modeling and simulation. În: Acta Electrotehnica. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 216-220, 15 fig., 3 ref. bibliogr.
- PETREUȘ, Dorin; Pătărașu, Toma; CIOCAN, Ionuț. Battery and supercapacitor charger based on LLC converter. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 6-13, 22 fig., 17 ref. bibliogr.

FACULTATEA DE INGINERIE ELECTRICĂ

Catedra: Acționări Electrice și Roboți

- Balogh, Pál; MARSCHALCO, Richard. New control method for complex power factor correction. În: Acta Electrotehnica. Cluj-Napoca, vol. 51, nr. 1, 2010, p. 69-75, 9 fig., 12 ref. bibliogr.
- Chindriș, Virgil; SZÁSZ, Csaba. Hardware reconfigurable embryonic controller development for high reliability electrical drive applications. În: Acta Electrotehnica. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 210-215, 14 fig., 10 ref. bibliogr.
- Paku, Robert; MASCHALCO, Richard. Matlab/Simulink/Sim-Power-System model for a PWM AC-to-DC converter with line conditioning capabilities. În: Acta Technica Napocensis. Electronică – Telecomunicații. Cluj-Napoca, vol. 51, nr. 2, 2010, p. 152-159, 9 fig., 9 ref. bibliogr.
- VESE, Ioana-Cornelia; RĂDULESCU, Mircea M. Direct thrust control scheme for a tubular linear brushless permanent-magnet actuator. În: 10th International Conference on Applied and Theoretical Electricity: ICATE

2010. 12th Symposium on Cryoelectrotechnics and Cryogenics: SCC12. Craiova, Romania, October 8-9, 2010. Craiova: Universitaria Publishing House, 2010, p. 92-96, 9 fig., 2 tab., 10 ref. bibliogr.

Catedra: Electroenergetică

BĂLAN, Horia; BOTEZAN, Aurel; BUZDUGAN, Mircea; Ștefan, Elena; Pîrv, Gabriel; Karaissas, Petros. The off-line diagnosis of circuit breakers with the time domain and frequency vibration analysis. În: 10th International Conference on Applied and Theoretical Electricity: ICATE 2010. 12th Symposium on Cryoelectrotechnics and Cryogenics: SCC12. Craiova, Romania, October 8-9, 2010. Craiova: Universitaria Publishing House, 2010, p. 113-118, 10 fig., 6 ref. bibliogr.

BĂLAN, Horia; BUZDUGAN, Mircea; MUNTEANU, Radu A.; BOTEZAN, Aurel; Cozorici, Ioan; AVRAM, Valer. Insulation resistance testing of the medium voltage switches. În: 10th International Conference on Applied and Theoretical Electricity: ICATE 2010. 12th Symposium on Cryoelectrotechnics and Cryogenics: SCC12. Craiova, Romania, October 8-9, 2010. Craiova: Universitaria Publishing House, 2010, p. 142-147, 8 fig., 5 tab., 7 ref. bibliogr.

Mateăș, Marian; MAIER, Virgil; PAVEL, Sorin. The equivalent receiver concept. În: Acta Electrotehnica. Cluj-Napoca, vol. 51, nr. 3, 2010, p. 221-225, 1 fig., 4 tab., 7 ref. bibliogr.

Ștefan, Elena, BĂLAN, Horia; BUZDUGAN, Mircea; Karaissas, Petros. Study of the DC voltage circuit breakers commutation with EMTPWorks software simulations. În: 10th International Conference on Applied and Theoretical Electricity: ICATE 2010. 12th Symposium on Cryoelectrotechnics and Cryogenics: SCC12. Craiova, Romania, October 8-9, 2010. Craiova: Universitaria Publishing House, 2010, p. 251-254, 7 fig., 7 ref. bibliogr.

Catedra: Electrotehnică

Hebedean, Claudia; MUNTEANU, Călin. Numerical modelling of microstrip patch antennas. În: Acta Electrotehnica. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 281-284, 10 fig., 5 ref. bibliogr.

MUNTEANU, Călin; ȚOPA, Vasile; PURCAR, Marius; GRINDEI, Laura; RĂCĂȘAN, Adina. Numerical computation of the induced potential on pipelines by overhead lines. În: Acta Electrotehnica. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 285-289, 10 fig., 1 fig., 10 ref. bibliogr.

RĂCĂȘAN, Adina; MUNTEANU, Călin; ȚOPA, Vasile; PĂCURAR, Claudia; Hebedean, Claudia; Lup, Sorin. Advances on parasitic capacitance reduction of EMI filters. În: 10th International Conference on Applied and Theoretical Electricity: ICATE 2010. 12th Symposium on Cryoelectrotechnics and Cryogenics: SCC12. Craiova, Romania, October 8-9, 2010. Craiova:

Universitaria Publishing House, 2010, p. 220-223, 9 fig., 2 tab., 14 ref. bibliogr.

Catedra: Mașini Electrice, Marketing, Management

Ilea, Dan; RĂDULESCU, M. M.; Gillon, Frédéric; Brochet Pascal. Particle-swarm-optimized design of switched reluctance motors for light electric tranction applications. În: Electromotion. Cluj-Napoca, vol. 17, nr. 1, 2010, p. 23-29, 7 fig., 3 tab., 6 ref. bibliogr.

Șimon, Ciprian; RĂDULESCU, M. M. Inverter fault-tolerant operation of small slotless three-phase electronically-commutated permanent-magnet motors. În: Electromotion. Cluj-Napoca, vol. 17, nr. 2, 2010, p. 91-98, 10 fig., 1 tab., 6 ref. bibliogr.

Catedra: Măsurări Electrice

COPÂNDEAN, Romul; TODORAN, Gheorghe; HOLONEC, Rodica; Filimon, Dana. The optimizing of two elevators' control using the programmable logic controller. În: Acta Electrotehnica. Cluj-Napoca, vol. 51, nr. 4, 2010, p. 276-280, 3 fig., 7 ref. bibliogr.

TODORAN, Gheorghe. Considerations about discrete time analysis of measuring signals – by using discrete Hilbert trnasform. În: Acta Electrotehnica. Cluj-Napoca, vol. 51, nr. 1, 2010, p. 76-82,7 ref. bibliogr.

FACULTATEA DE INSTALAȚII

Catedra: Instalații pentru construcții

ABRUDAN, Ancuța. Thermotechnical research on prefabricated exterior walls and experimental results obtained. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 43-46, 5 fig., 5 ref. bibliogr. Rez. rom.

GIURCA, I. The choice of boilers using global evaluation method of performances. În: Acta Technica Napocensis. Civil Engineering and Architecture. Cluj-Napoca, vol. 53, 2010, p. 214-220, 11 tab., 4 ref. bibliogr. Rez. rom.

FACULTATEA DE MECANICĂ

Catedra: Autovehicule Rutiere și Mașini Agricole

FILIP, Nicolae; MARINCEAN, Mirela; CRISTEA, Florin; CHIRICIUC, Mircea. Complete solution for traffic flow counting in urban area. În: Proceedings of the 12th mini conference on vehicle system dynamics, identification and anomalies. Budapest, 8-10 Nov, 2010, p. 573-578, 7 ref. bibliogr.

SIMU, Ioan George; FILIP, Nicolae. Research regarding the possibilities to use laser sensors for various speed detection in real-time. În: Proceedings of the 12th mini conference on vehicle system dynamics, identification and anomalies. Budapest, 8-10 Nov, 2010, p. 565-571, 5 ref. bibliogr.

Catedra: Geometrie Descriptivă și Grafică Inginerească

BĂLCĂU, Monica; ARGHIR, Mariana. Numerical applications to the study of dynamic absorber. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 69-76, 46 fig., 10 ref. bibliogr. Rez. rom.

BĂLCĂU, Monica; ARGHIR, Mariana. Particular case to the study of dynamic absorber. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 61-68, 5 fig., 4 tab., 10 ref. bibliogr. Rez. rom.

BĂLCĂU, Monica; Baidoc, Marius; ARGHIR, Mariana. Comparison of the studies of dynamic absorber. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 495-502, 11 fig., 14 ref. bibliogr. Rez. rom.

BĂLCĂU, Monica; Baidoc, Marius; ARGHIR, Mariana. Eliminating torsion vibrations in the case of internal combustion engines – Description of the engine used in the experiment. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 491-494, 4 fig., 3 tab., 9 ref. bibliogr. Rez. rom.

BĂLCĂU, Monica; Baidoc, Marius; ARGHIR, Mariana. Eliminating torsion vibrations in the case of internal combustion engines – Technical characteristics of the engine used. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 633-638, 1 fig., 10 ref. bibliogr. Rez. rom.

Timoftei, Sanda; Farcaș, Mihai; ORBAN, Magdalena. Determining the „minimum path” through graphical methods. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 737-742, 12 fig., 5 ref. bibliogr. Rez. rom.

Catedra: Rezistența Materialelor

BOTEAN, Adrian; HĂRDĂU, Mihail. The study of mechanical and thermal stresses in related multiple circular plates. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 2, 2010, p. 195-202, 25 fig., 7 ref. bibliogr.

DUDESCU, Cristian; ȘOMOTECAN, Marioara; BOTEAN, Adrian. Direct application of strain gauges on wood. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 2, 2010, p. 179-184, 13 fig., 2 tab., 11 ref. bibliogr.

Simion, Mihaela; BOTEAN, Adrian; DUDESCU, Mircea. Experimental studies of the normal stresses for an equal strength beam and a flanged beam. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 2, 2010, p. 185-188, 9 fig., 3 tab., 7 ref. bibliogr.

SUCIU, Mihaela. About the bending study for axially symmetric tapping plates with linear uniform load by transfer-matrix method. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 623-628, 3 fig., 3 ref. bibliogr. Rez. rom.

SUCIU, Mihaela. Calculus of the cylindrical spring with a vertical load by transfer-matrix method. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 2, 2010, p. 159-164, 3 fig., 3 ref. bibliogr. Rez. rom.

Catedra: Termotehnică, Mașini și Echipamente Termice

Banyai, Daniel; MARCU, Lucian; OPRUȚA, Dan. The positioning force of the inclined plate for variable displacement pumps. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 301-310, 8 fig., 3 ref. bibliogr. Rez. rom.

Banyai, Daniel; MARCU, Lucian; VAIDA, Liviu. Study of friction losses in axial piston machines. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 283-292, 3 fig., 3 ref. bibliogr. Rez. rom.

Banyai, Daniel; NĂȘCUȚIU, Lucian; VAIDA, Liviu. Theoretical analysis of oscillations in axial piston hydraulic machines. În: Turbine Eoliene de Mică

Putere. Timișoara: Editura Politehnica, 2010, p. 311-318, 5 fig., 4 ref. bibliogr. Rez. rom.

Banyai, Daniel; NĂȘCUȚIU, Lucian; VAIDA, Liviu; MARCU, Lucian. Automatic adjustment for hydraulic transmissions of the aeolian systems for energy production. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 271-282, 12 fig., 13 ref. bibliogr. Rez. rom.

Banyai, Daniel; VAIDA, Liviu; NĂȘCUȚIU, Lucian; OPRUȚA, Dan; GIURGEA, Corina; MARCU, Lucian. Synoptic view of the latest trends in hydraulic actuation. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 293-300, 4 fig., 7 ref. bibliogr. Rez. rom.

Cărnaru, Stelian; MĂDĂRĂȘAN, Teodor. The experimental determination of the temperature field at the direct acting-motor compressor (D.A.M.C.). În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 539-544, 10 fig., 7 tab., 7 ref. bibliogr. Rez. rom.

MARCU, Lucian; Banyai, Daniel. Design and testing principles of the alternating flow driven rotary hydraulic motors. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 435-444, 12 fig., 3 ref. bibliogr. Rez. rom.

NĂȘCUȚIU, Lucian; Banyai, Daniel; MARCU, Lucian; VAIDA, Liviu. Adaptive control systems with modification of step for horizontal axis wind turbines. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 463-474, 15 fig., 19 ref. bibliogr. Rez. rom.

NĂȘCUȚIU, Lucian; Banyai, Daniel; OPRUȚA, Dan. Control system for hydraulic transmissions specific to wind machines. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 475-482, 5 fig., 7 ref. bibliogr. Rez. rom.

NĂȘCUȚIU, Lucian; Banyai, Daniel; OPRUȚA, Dan. Measurement of hydraulic parameters. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 483-490, 5 fig., 2 tab., 5 ref. bibliogr.

NĂȘCUȚIU, Lucian; VAIDA, Liviu. Automated control of the hydraulic transmissions of eolian systems for energy generation. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 453-462, 12 fig., 9 ref. bibliogr. Rez. rom.

- NĂȘCUȚIU, Lucian; VAIDA, Liviu. Hydraulic transmissions of eolian systems for energy generation. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 445-452, 6 fig., 7 ref. bibliogr. Rez. rom.
- NĂȘCUȚIU, Lucian; VAIDA, Liviu. Techniques for the angular positioning adjustment for the blade of small power wind turbines with hydraulic control. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 491-500, 5 fig., 1 tab., 8 ref. bibliogr. Rez. rom.
- NĂȘCUȚIU, Lucian; VAIDA, Liviu; OPRUȚA, Dan. Compensation of the saturation type nonlinearities for the valves used in the automatic control of hydraulic linear motors. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 501-512, 15 fig., 1 tab., 8 ref. bibliogr. Rez. rom.
- OPRUȚA, Dan; VAIDA, Liviu; PLEȘA, Angela. The simulation of the fluid flow through a hydraulic resistance. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 513-520, 1 fig., 4 ref. bibliogr. Rez. rom.
- PLEȘA, Angela; BODE, Florin; OPRUȚA, Dan. The flow simulation through a heat exchanger channel. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 521-526, 3 fig., 1 tab., 4 ref. bibliogr. Rez. rom.
- VAIDA, Liviu; NĂȘCUȚIU, Lucian; OPRUȚA, Dan; GIURGEA, Corina. Modern purposes in hydraulic actuations. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 549-558, 6 fig., 1 tab., 9 ref. bibliogr. Rez. rom.
- VAIDA, Liviu; NĂȘCUȚIU, Lucian; VAIDA, Călin; OPRUȚA, Dan. Determination of positioning forces for the pistons block for adjustable axial piston motors. În: Turbine Eoliene de Mică Putere. Timișoara: Editura Politehnica, 2010, p. 533-548, 11 fig., 9 ref. bibliogr. Rez. rom.

FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR

Catedra: Ingineria Mediului

DEAC, Cristina; BIRIȘ, Ioan. Optimizing solutions of the thermorefractory insulation of steel heating furnaces. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 4, 2010, p. 639-642, 2 fig., 2 tab., 7 ref. bibliogr. Rez. rom.

DEAC, Cristina; MORARIU-GLIGOR, Radu Mircea; BIRIȘ, Ioan. Logiciels auxiliaires a l'analyse energetique des intallations de combustion. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 1, 2010, p. 83-88, 5 fig., 1 tab., 6 ref. bibliogr. Rez. rom.

Catedra: Știința și Tehnologia Materialelor

Mocanu, Gabriela; Pop, Dan; ARGHIR, George; Petean, Ioan. On the thermal variation of the limit depth probed by X-ray diffraction. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 593-596, 2 fig., 12 ref. bibliogr. Rez. rom.

Petean, Ioan; ARGHIR, George; Câmpean, Ramona; Hosu Prack, Alexandra. Mineralogic study on badenian salt mud from Pata Rât Lake – Romania. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 601-606, 5 fig., 22 ref. bibliogr. Rez. rom.

Departamentul de Educație Continuă

Dan, Gheorghe; MORAR, Liviu. Managerial competences in administrating emergency situations. În: Acta Technica Napocensis. Applied Mathematics and Mechanics. Cluj-Napoca, nr. 53, vol. 3, 2010, p. 545-550, 4 fig., 1 tab., 13 ref. bibliogr. Rez. rom.