

FACULTY OF MANAGEMENT IN PRODUCTION AND TRANSPORTATION



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RESEARCH CENTRE IN ECONOMIC ENGINEERING – CCIE

GENERAL PRESENTATION

The Research Centre in Economic Engineering (Centrul de Cercetare în Inginerie Economică – CCIE) was founded in 2001.

The main aim of the Research Centre in Economic Engineering (CCIE) is to develop interdisciplinary high-level research in the fields of performance management for firms and clusters, technical and production systems engineering, the market economy development in Romania, the progress of transition, financial management in Romania. It offers the research results in these fields to the interested production and transportation companies and organisations. CCIE is a member of the Romanian Economic Engineering Consortium (28 Romanian Universities).

The location of the CCIE is in the Faculty of Management in Production and Transportation, ROMANIA, 300191 Timisoara, 14, Remus Str.

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The Centre in Economic Engineering (CCIE) is organised in several research divisions:

- Research Division in Performant Management for Firms and Clusters
- Research Division for Technical and Production Systems Engineering
- Research Division for Financial Management

RESEARCH DIVISION IN PERFORMANT MANAGEMENT FOR FIRMS AND CLUSTERS

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RESEARCH FIELDS

- » integrated competitiveness and value management
- » performance marketing
- » management information systems
- » project management
- » risk management

- » sustainable management
- » cluster's management
- » total quality management
- » production management

KEYWORDS

firms, clusters, competitiveness, management, marketing, quality, risk, sustainability, industrial production, civil engineering production, information systems

MAIN ACTIVITIES

- » development of new integrated methods in management and marketing
- » optimal integrated technologies and management
- » consulting in management and marketing

RESEARCH PROJECTS

1. CNCSIS Grant 380/2006: *Competitiveness strategies for clusters and regions in Romania*
Period: 2006 – 2008, Value: 20,000 RON / 2006
Director: Prof.dr.eng. Popa Horia Liviu
Research team: Assoc.prof.dr.ec.eng. Mocan M.
Lecturer dr.ec. Bărglăzan D.
Lecturer dr.ec. Grecu E.
Assist.dr.ec. Dăianu C.
Assist.drd.ec. Foldvary K.
2. CNCSIS Grant 367/2006: *Control strategies in production systems management, integrating just-in-time, theory-of-constraints and activity-based-management approaches in knowledge based system*, Period: 2006-2007, Value: 15,000 RON / 2006
Director: Assoc.prof.dr.eng. Proștean Gabriela
Research team: Prof.dr.eng. Izvercian M.
Prof.dr.eng. Stefan C.
Lecturer Dr.eng. Vârtoșu A.
Lecturer Dr.eng. Pugna A.
Assist. dr. ec. Dăianu C.
Assist. dr. ec. eng.. Tion M.
Drd. eng. Savii G.C.
Drd. eng. Cârstea C.
Assist. drd. eng. Giuca O.
3. CEEX Grant 1518/6153/6165/6166/ 2006: *Training and coaching in research-development management*, Period: 2006 – 2008, Value: 49,200 RON / 2006
Director: Assoc.prof.dr.ec.eng. Mocan M.
Research team: Prof.dr.eng. Popa H. L.
Prof.dr.eng. Izvercian M.
Prof. dr. eng. Tăroată A.
Prof.dr.eng. Ignaton E.
Assoc.prof.dr.eng. Drăghici A.
Assoc.prof.dr.eng. Proștean G.

4. CEEX Grant 1428/2006: *The Identification of Influences Factors in the Business Medium and Public Administration Relationship*

Period: 2006-2007, Value: 13,000 RON / 2006

Director: Assoc.prof.dr.ec. Grigorescu A.
(SNSPA București)

Head of the West Network:
Prof.dr.eng. Dumitrescu C-tin

Research team: Assoc.prof.dr.ec.eng. Muțiu T.
Lecturer dr.ec.eng. Tămășilă M.

5. LEONARDO ERM Grant 04/BFPP
154101/2004: *Engineering of risk management*,
Period: 2004–2006, Value: 9,349 EUR / 2006

Director: Prof.dr.eng. Izvercian Monica

Research team: Eng. Guță C.
Lecturer dr.ec.eng. Oană T.
Assist.drd.eng. Mihărtescu A.
Team Universita Degli Studi del
Molise (Italia); ADEPM – Spain;
ETIC – Portugal; Universite
Toulouse (France)

6. LEONARDO FORCREST Grant 03BFPP
149101/2004: *Development of sustainable enterprises*, Period: 2004 – 2006, Value: 18,230
EUR / 2006

Director: Prof.dr.eng. Izvercian Monica

Research team: Eng. Guță C.
Lecturer dr.ec.eng. Oană T.
Assist.drd.eng. Mihărtescu A.
Team Universitat Politecnica de
Calalunya – Universidad Carlos III
de Madrid

7. Contract nr. 225/10.01.2006: *Survey about business consulting market in Timisoara / Studiu privind piața de consultanță în afaceri în Timișoara*, Value: 400 RON/2006; Customer:
Expert Consulting SRL, Timișoara

Director: Assoc.prof.dr.ec.eng. Mocan Marian

Research team: Lecturer dr.ec.eng. Tămășilă M.

8. Contract nr. 484/10.07.2006: *Survey about the preparation of SME from Turnu Severin for EU integration / Studiu privind pregătirea integrării IMM-urilor din Drobeta Turnu Severin în Uniunea Europeană*, Value: 2,000 RON / 2006; Customer: Camera de Comerț, Industrie și Agricultură Mehedinți

Director: Assoc.prof.dr.ec.eng. Mocan Marian

Research team: Lecturer dr.ec.eng. Tămășilă M.

9. Contract nr. 484/10.07.2006: *Survey about professional monograph for Romanian organisation / Studiu privind monografiile profesionale pentru organizații in Romania*, Value: 5,250 RON / 2006; Customer: Agassi
SRL Timișoara

Director: Assoc.prof.dr.ec.eng. Mocan Marian

Research team: Lecturer dr.ec.eng. Tăuceanu I.

PUBLICATIONS

BOOKS

1. Drăghici, A., Drăghici G., *New Business Requirements in the Knowledge-Based Society*, Chapter XI, pp. 211-243, in *Adaptive Technologies and Business Integration* (Editors Cunha M.M., Cortes B.C., Putnik G.D.), Idea Group Reference, Hershey PA, USA, 2006, ISBN 159904048-4, 362 pages (published in English)
2. Izvercian M., *Sustainability – Marketing / Sustenabilitate - Marketing*, Editura Solness, Timișoara, 2006, ISBN (10) 973-620-254-2 / ISBN (13) 978-973-620-254, 305 pages (published in Romanian)
3. Burtică M., Tăroată A., Tămășilă, M., *Management of SME / Managementul întreprinderilor mici și mijlocii*, Editura Solness, Timișoara, 2006, ISBN (10) 973-729-069-0 / ISBN (13) 978-973-729-069-4, 313 pages (published in Romanian)
4. Negru-Străuți, G., *Business Planning and setting up of companies / Planificarea afacerilor și înființarea societăților comerciale*, Editura Politehnica, Timișoara, 2006, ISBN (10) 973-625-366-X / ISBN (13) 978-973-625-366-9, 102 pages (published in Romanian)
5. Tion, M.D., *Marketing. Case studies / Marketing. Studii de caz și aplicații*, Editura Solness, Timișoara, 2006, ISBN (10) 973-729-084-4 / ISBN (13) 978-973-729-084-7, 113 pages (published in Romanian)
6. Pugna, A., Rușeț, V., Grozescu, I, Pasca, T., *The Organisation's Management and the Opportunities of globalisation and EU integration / Managementul organizațiilor și oportunități manageriale semnificative în contextul integrării în UE și al globalizării*, Editura Solness, Timișoara, 2006, ISBN (10) 973-729-078-X / ISBN (13) 978-973-729-078-6, 229 pages (published in Romanian)
7. Condurache, Gh., (coord), Dăianu, D.C., Tăucean, I., ș.a. *Simulated enterprise PRENTEAM / Întreprinderea simulată: o metodă modernă de pregătire pentru instruirea studenților PRENTEAM*, p.5-33 and p.113-160, Editura Performantica, Iași, 2006, ISBN (10) 973-730-196-X, ISBN (13) 978-973-730-196-3, 228 pages (published in Romanian)

PUBLISHED PAPERS

1. Popa, H.L., Pater, L.R., *The Valuation of the Enterprises and Products Competitiveness*, Technical Gazette. Scientific-professional Journal of Technical Faculties of the University of Osijek, Croatia, Vol.13, Nr. 1-2, 2006, ISSN 1330-3651, pp. 39-48

2. Popa, H.L., Mocan, M., Bărglăzan, D., *Competitiveness Development of the Clusters in the Central and Eastern Europe*, 7th International Conference Advancing Business and Management in Knowledge-based Society – 2006, Portoroz, Slovenia, ISBN 961-6573-16-0, pp. 521-530
3. Mocan, M., Popa H.L., *Development Trends of Small and Medium Size Companies in Timisoara*, 7th International Conference Advancing Business and Management in Knowledge-based Society – 2006, Portoroz, Slovenia, ISBN: 961-6573-16-0, pp. 531-537
4. Drăghici, A., Izvercian, M., Drăghici G., *Strategic Analyse of Romania in the Knowledge-Based Economy*, 7th International Conference Advancing Business and Management in Knowledge-based Society – 2006, Portoroz, Slovenia, ISBN: 961-6573-16-0, pp. 710-719
5. M. Izvercian, M., Prosteian, G., Tion, M., *Personnel leasing for project management*, 7th International Conference Advancing Business and Management in Knowledge-based Society – 2006, Portoroz, Slovenia, ISBN: 961-6573-16-0, pp. 1461-1469
6. Izvercian, M., Dumitrescu C., *The Quality of Offal Recapitalisation in the Context of a Durable Development in Romania*, 6th International Conference "Research and Development in Mechanical Industry" RaDMI 2006, 2006, Budva, Montenegro; CD- ROM, ISBN 86-83803-21-X, pp. 8
7. Dumitrescu C, Zamfirescu N, *Waste Administration - a Necessary Condition for a Durable Development*, 6th International Conference "Research and Development in Mechanical Industry" RaDMI 2006, 2006, Budva, Montenegro; CD- ROM, ISBN 86-83803-21-X, pp. 6
8. Popa, H.L., Mocan, M.L., *The evolution of the clusters in Region West of Romania*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 5-16
9. Popa, H.L., *Unitary methodology in the policies and management of the competitiveness for the regions, areas and clusters*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 17-26
10. Pugna, A., *Study regarding the leadership styles and evaluation of managerial power*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 41-52
11. Tion, M., Preda, O., *Considerations regarding choosing an advertising agency on the international market*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 53-62
12. Izvercian, M., Tion, M., *The marketing mix of human resources*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 63-70
13. Tămășilă, M., *The role and characteristics of manager within SME*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 71-80
14. Cociu, N., *Time series and Markov chains in sales foresights*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 81-92
15. Dăianu D., C., *Innovation process in Romania*, International Conference IMT Oradea 2006, Annals of the Oradea University, Fascicle of Management and Technological Engineering, CD-ROM ISSN 1583-0691, pp. 7
16. Dăianu, D.C., *Aspects regarding the evaluation of competitiveness at global level - Romania's situation*, International Conference IMT Oradea 2006, Annals of the Oradea University, Fascicle of Management and Technological Engineering, CD-ROM ISSN 1583-0691, pp. 10
17. Condurache, G., Dăianu, D.C., Tăucean, I., Lăzărescu, R., Pișlaru, M.: *Aspects regarding the competences of teachers / trainers in a practice enterprise*, 4th International Seminar on Quality Management in Higher Education, 2006, Sinaia, Romania, CD- ROM, ISBN 1678-0890, pp. 8
18. Istrate, C., Lăzărescu, R., Pișlaru M., Dăianu, D.C., Tăucean, I., Condurache, G.: *Aspects regarding evaluation process in a practice firm*, The 4th International Seminar on Quality Management in Higher Education, 2006, Sinaia, Romania, CD- ROM, ISBN 1678-0890, pp. 8
19. Dăianu, D.C., *Activity Based Management – a methodology for improving and measuring a business*, International Scientific Conference Economy and globalisation, ECO-TREND 2006, Târgu-Jiu, 24-25 November, CD-ROM ISBN (10) 973-742-321-0 / ISBN (13) 978-973-742-321-1 pp. 6

20. Dăianu, D. C., *Aspects regarding the regional competitiveness – the case of Romania*, International Scientific Conference Economy and globalisation, ECO-TREND 2006, Târgu-Jiu, 24-25 Novembre, CD-ROM ISBN (10) 973-742-321-0 / ISBN (13) 978-973-742-321-1 pp. 8
21. Negruț, C., Tion, M., *Human Resources Marketing / Marketingul resurselor umane – un nou concept*, A XI Sesiune de Comunicări Științifice a Cadrelor Didactice la Universitatea Româno-Americană, București, 2006 „Creșterea competitivității economice a României în contextul integrării în Uniunea Europeană” ISBN (10) 973-7854-46-2 / ISBN (13) 978-973-7854-46-9, pp. 234-239 (published in Romanian)
22. Iovan, S., *Methods and policies in personnel recruiting / Aspecte privind metode si politici de recrutare a personalului*, A 15-a Conferință Instalații pentru construcții și confort ambiental, Timișoara, 2006, ISBN (10) 973-625-305-8 / (13) 978-973-625-305-8, pp. 345-348 (published in Romanian)
23. Iovan, S., *The efficient manager's profile / Profilul managerului efficient*, A 15-a Conferință Instalații pentru construcții și confort ambiental, Timișoara, 2006, ISBN (10) 973-625-305-8 / (13) 978-973-625-305-8, pp. 352-355 (published in Romanian)

PHD THESIS SUSTAINED

1. Ciocinac, V., *The development stimulation of SME in Moldova Republic / Contribuții privind stimularea dezvoltării întreprinderilor mici și mijlocii din Republica Moldova*, “Politehnica” University of Timisoara, Faculty of Management in Production and Transportation, PhD supervisor: Prof.dr.eng. Constantin Dumitrescu, 2006
2. Dăianu, C., *The Romanian Economy competitiveness in EU enlargement prospect / Competitivitatea economiei românești din perspectiva integrării europene*, West University of Timisoara, Faculty of Economic Sciences, PhD supervisor: Prof.dr.ec. Grigorie Silași, 2006

PERSPECTIVE DOMAINS

- competitive integrated policies and management at regional level
- development of expert systems for management
- competitiveness centres and clusters

RESEARCH TEAM

Prof.dr.eng. Horia Liviu POPA
 Prof.dr.eng. Monica IZVERCIAN
 Prof.dr.eng. Anghel TĂROATĂ
 Prof.dr.eng. Elemer IGNATON
 Assoc.prof.dr.ec.eng. Traian MUȚIU

Assoc.prof.dr.ec.eng. Nicolae COCIU
 Assoc.prof.dr.ec.eng. Păun ALAN
 Assoc.prof.dr.eng. Gabriela PROȘTEAN
 Lecturer dr. ec .eng. Tiberiu Liviu OANĂ
 Lecturer dr. eng. Ilie TĂUCEAN
 Lecturer dr. eng. Adrian PUGNA
 Lecturer dr. ec. eng. Matei TĂMĂȘILĂ
 Lecturer dr. eng. Gabriela NEGRU STRĂUȚI
 Assist. dr. ec. eng. Monica TION
 Assist. dr. ec. Codruța DĂIANU
 Assist.drd.eng. Andreea MIHĂRTEȘCU
 Assist.drd.eng. Mircea NEGRUȚIU

RESEARCH DIVISION FOR TECHNICAL AND PRODUCTION SYSTEMS ENGINEERING

CONTACT

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RESEARCH FIELDS

- » logistics and transportation systems
- » industrial and urban transport
- » reliability and maintenance of products and production systems
- » value analysis and engineering
- » ergonomics
- » ensuring safety and environmental protection
- » road traffic system design and optimisation
- » production systems optimisation

KEYWORDS

logistics, transportation, products, production systems

MAIN ACTIVITIES

- » development of new scientific integrated methods in logistics and transportation
- » optimal integrated technologies in innovation, production, logistics and transportation
- » consulting in production systems, logistics, transportation, ergonomics, safety and environmental protection

RESEARCH PROJECTS

1. FP6 2002-IST-NMP-1, Contract nr. 507487, *Virtual Research Lab for Knowledge Community in Production VRL-KCiP*, Network of Excellence, Period: 2004-2008, Value: 103,000 EUR / 2006
 Director: Prof.dr.eng. Drăghici G. (TCM)
 Research team: Assoc.prof.dr.eng. Drăghici A.
 Assist.drd.eng. Mihărtescu A.
2. CNCISIS Grant 617/2005: *Products and Production Systems Ergonomics Design for Increasing Their Safety and Quality during the*

- using process, Period: 2005 – 2007, Value: 20,600 RON / 2006
- Director: Assoc.prof.dr.eng. Drăghici Anca
- Research team: Prof.dr.eng. Popa H. L.
Assoc.prof.dr.ec.eng. Mocan M.
Assist.dr.eng. Pugna A.
Assist.eng. Mihărtescu A.
Assist.dr.ec.eng. Tion M.
3. CEEEX, Contract INPRO, modul I, P-CD, 243/2006: *National Research Network in the Field of Product and Processes Integrated Engineering*, Period: 2004 – 2008, Value: 102,000 RON/2006 from which 20,332 RON/2006 for the UPT team
- Director: UPT is the co-ordinator, Prof.dr.eng. Drăghici George (TCM)
- Research team: Assoc.prof.dr.eng. Drăghici A.
Assist.eng. Mihărtescu A.
4. CEEEX, Contract CONTMENT, modul I, P-CD, nr. 238 / 20.07.2006: *Pilot Research Network – Researches for The On-Line Maintenance Prediction*, Period: 2004 – 2008, Value: 25,600 RON/2006
- Director: Prof.dr.eng. Drăghici George (TCM)
- Research team: Assoc.prof.dr.eng. Drăghici A.
5. Contract nr. 184 / 2004: *Consulting in industrial engineering and process optimisation / Consultanță în inginerie industrială și optimizarea proceselor*. Period 2004-2006; Value: 3,007 RON / 2006; Customer: Qualex SRL Oradea
- Director: Prof.dr.eng. Dumitrescu C-tin
- Research team: Prof.dr.eng. Izvercian M.
Prof. Dr. eng. Tăroată A.
Assoc.prof.dr.ec.eng. Muțiu T.
- House of Poznan University of Technology, Poland, 2006, ISBN 83-7143-228-3, pp. 111-119
3. Gruescu, C., Nicoară, I., Pugna A., *Cumulated effect of manufacturing and mounting errors on image quality of diffraction limited optical systems*, in 2nd International Conference Virtual Design and Automation – New Trends in Collaborative Product Design, (Editor Weiss Z.), Publishing House of Poznan University of Technology, Poland, 2006, pp. 277-285, ISBN 83-7143-228-3
4. Pugna, A., Grozescu, I., Ștefănescu, W., Proștean G., *Optimising the hydrothermal growth process parameters of the α -quartz monocrystals using Taguchi's Robust Design*, in 2nd International Conference Virtual Design and Automation – New Trends in Collaborative Product Design, (Editor Weiss Z.), Publishing House of Poznan University of Technology, Poland, 2006, pp. 327-337, ISBN 83-7143-228-3
5. Pugna, A., Grozescu I., Drăghici A., *Using Taguchi's Robust Design to Improve the Dimensional Stability of the Hydro thermally Grown Alfa-quartz Monocrystals*, in 2nd International Conference Virtual Design and Automation – New Trends in Collaborative Product Design, (Editor Weiss Z.), Publishing House of Poznan University of Technology, Poland, 2006, ISBN 83-7143-228-3, pp. 427-434
6. Filip, I., Proștean, O., Szeidert, I., Balas, V., Proștean, G., *Comparative Study regarding an Adaptive Fuzzy Controller and Self-tuning Controller with Application to the Excitation Control of a Synchronous Generator*, WSEAS Transaction on SYSTEMS, Issue 7, Vol.5, 2006, ISSN 1109-2777, pp. 1587-1692
7. Filip, I., Proștean, O., Balas, V., Proștean, G., *Design and Simulation of a Neural Controller for Excitation Control of a Synchronous Generator*, Proceedings of the 6th International Conference on Recent Advances in Soft Computing (RASC 2006), Canterbury, United Kingdom, 2006, ISBN 978-1-902671-43-7, 1-902671-43-0, pp 361-366
8. Proștean, G., Proștean, O., Szeidert, I., Filip, I., *Scheduling intelligent system for time shortening*, 7th International Conference Advancing Business and Management in Knowledge-based Society – 2006, Portoroz, Slovenia, ISBN: 961-6573-16-0, pp.1873-1882
9. Drăghici, A., Drăghici, G., *Strategic Options for Building a Knowledge Sharing Culture in Virtual Collaborative Design Teams*. 6th International Conference on Integrated Design and Manufacturing in Mechanical Engineering, CD-ROM Proceeding, 2006, Grenoble, France, IDME 2006. p. 12
10. Dumitrescu, C.D., *How to Think of Quality Nowadays?* 8th International Conference on

PUBLICATIONS

BOOKS

1. Drăghici, A., *Ergonomics. New Approaches and Perspectives, / Ergonomie, Vol. II, Aspecte novatoare ale cercetării ergonomice*, Editura Politehnica, Timișoara, 2006, ISBN 973-625-270-1 / ISBN (10) 973-625-349-x (vol. II) / ISBN (13) 978-973-625-349-2 (vol. II), 250 pages (published in Romanian)

PUBLISHED PAPERS

1. Drăghici, A., Drăghici, G., Nițulescu, M., *Ergonomics Virtual Design – Human Posture and Activity Analysis*, in 2nd International Conference Virtual Design and Automation – New Trends in Collaborative Product Design, (Editor Weiss Z.), Publishing House of Poznan University of Technology, Poland, 2006, ISBN 83-7143-228-3, pp. 103-110
2. Drăghici, A., Drăghici, G., *Virtual Design Method Considering the Machine Tools' Acoustic Field*, in 2nd International Conference Virtual Design and Automation – New Trends in Collaborative Product Design, (Editor Weiss Z.), Publishing

- Linking Thinking, Innovation, Quality, Entrepreneurship and Environment, 2006, Maribor, Slovenia, ISBN 961 – 6354 – 47 – 7, pp. 55-60
11. Drăghici, A., Matta, N., Drăghici, G., *The Professional and Management Competences Evaluation as Part of Project Memory*, 8th International Conference on: The Modern Information Technology in the Innovation Processes of the Industrial Enterprises, Editors: L. Monostori & E. Ilie-Zudor, Hungarian Academy of Sciences, ISBN 963 86586 5 7, 2006, pp. 137-142
 12. Filip, I., Proștean, O., Szeidert, I., Balas, V., Proștean, G., *Adaptive Fuzzy Controller and Adaptive Self tuning Controller: Comparative Analysis for the Excitation Control of a Synchronous Generator*, Proceedings of the 7th WSEAS International Conference on Automation & Information (ICAI 06), Cavtat, Croatia, 2006, CD-ROM, ISSN 1790-5109, ISBN 960-8457-46-7, pp. 89-94
 13. Mihărtescu, A., Drăghici, A., Drăghici, G., *E-support System for Collecting and Formalizing the User Knowledge – Case Study for the Furniture Enterprise*, 8th International Conference on: The Modern Information Technology in the Innovation Processes of the Industrial Enterprises, Editors: L. Monostori & E. Ilie-Zudor, Hungarian Academy of Sciences, ISBN 963 86586 5 7, 2006, pp. 239-244
 14. Drăghici, A., Mihărtescu, A., Mocan, M., *Aspects quantitatives du marche de la main d'oeuvre en Roumanie dans le context du processus de preadhersion a l'Union Europeenne*, XII Conference Internationale du Reseau PGV, La dynamique des ressources humaines – facteur potentiel d'integration dans l'Europe elargie, Editura Universitatii de Vest Timisoara, 2006, ISBN (10) 973-7608-99-2, ISBN (13) 978-973-7608-99-4, pp. 215-226
 15. Pugna, A., Ștefănescu, W., Tăucean, I., *Considerations regarding the economic efficiency of obtaining α -quartz monocrystals by using Taguchi's robust design*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 93-102
 16. Ignaton, E., *Aspects concerning the comparison of the apartments management costs in case various heating system are used*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transactions on Management, Engineering Economy, Transportation Engineering, Tome 51(65), 2006, ISSN 1224-6050, pp. 103-108
 17. Drăghici, G., Belgiu, G., Drăghici, A., Grozav, I., Pămîntaş, E., Turc, C., *National Research Network for Integrated Product and Process Engineering, INPRO*, Proceedings of the International Conference on Manufacturing Systems ICMaS 2006, editors: Ispas C., Ghionea A., Constatin G, Editura Academiei Române, ISSN 1842-3183, pp. 49-54
 18. Drăghici, A., Mihărtescu, A., Mocan, M., Drăghici, G., *Research on Computer-Aided Ergonomics for Industrial Design*, Proceedings of the International Conference on Manufacturing Systems ICMaS 2006, Editors: Ispas C., Ghionea A., Constatin G, Editura Academiei Române, București, ISSN 1842-3183, pp. 449-452
 19. Mihărtescu, A., Drăghici, A., Drăghici, G., *A Methodology Proposal for the User Needs Integration in the Product Design Process*, Annals of the Oradea University, Fascicle of Management and Technological Engineering, CD-ROM Edition, vol. V (XV), 2006, ISSN 1583-0691, pp. 8
 20. Mihărtescu, A., Drăghici, A., Drăghici, G., *Consideration Concerning the User's Involvement in the Process of the Products Design*, Annals of the Oradea University, Fascicle of Management and Technological Engineering, CD-ROM Edition, vol. V (XV), 2006, ISSN 1583-0691, pp. 7

PHD THESIS SUSTAINED

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2. Romocea, M., *The maintenance optimisation of the production systems / Contribuții la optimizarea mentenanței sistemelor de fabricație în serie*, PhD supervisor: Prof.dr.eng. Constantin Dumitrescu

PERSPECTIVE DOMAINS

- competitive logistics systems
- telematics in logistics and transportation
- optimization of new products and production systems

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RESEARCH FIELDS

- » principles of market economy
- » investment policies
- » financial policies
- » company finances
- » finance and banking
- » business law

KEYWORDS

market economy, finance, banking, European economy, financial strategies, dividend

MAIN ACTIVITIES

- » share market in Romania
- » the progress of financial transition
- » inflation and unemployment
- » corporate finance policies
- » changes in Romanian taxation

PUBLICATIONS

BOOKS

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3. Grecu, E., *Possibilities Offered by the Informational Technology*, Third International Conference on Informatics, Educational Technology and New Media in Education, Sombor, University of Novi Sad, Serbia&Montenegro, 2006, ISBN 86-83097-51-X, pp. 147-153
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8. Grecu, E., *Implications of Romanian Migration Flows*, Proceedings 3rd International Conference "Economy and Transformation Management", Timisoara, 2006, Editura Universității de Vest, Timișoara, 2006. ISSN -1842-4880, pp. 283-288
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10. Grecu, E., *Romanian Consumer Behaviour*, Scientific Bulletin of "Politehnica" University in Timisoara, Transactions on Economics and Social Sciences, Tome 4(4), 2006, ISSN 1583-7475, pp. 14-18
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Economics and Social Sciences, Tome 4(4), 2006, ISSN 1583-7475, pp. 39-43

PERSPECTIVE DOMAINS

- » financial decisions in small and middle-sized companies and their services
- » investment strategies in small and middle-sized companies and their services

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