

# 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. CNCISIS Grant 380/2006: *Competitiveness strategies for clusters and regions in Romania*  
Period: 2006 – 2008.

Value: 30.000 lei / 2008

Director: Prof.dr.eng. Popa Horia Liviu

Research team: Prof.dr.ec.eng. Mocan M.  
Lecturer dr.ec. Bărglăzan D.  
Assoc.prof.dr.ec. Grecu E.  
Assist.drd.ec. Schramko Foldvary

2. Comparative research regarding the knowledge management in Romanian Engineering Education Organization, (UNIKM), Contract nr. 02-074/2008, PNII, proiect PC, ANCS.

Value: 186.400 lei /2008-2010

Value: 6.000 lei /2008

Director: Prof.dr.eng. Drăghici Anca

Research team: Prof.dr.eng. Drăghici George  
Prof.dr.eng. Izvercianu Monica  
Prof.dr. Duran Vasile  
Assoc.prof.dr. Cociu Nicolae  
Assist.dr. Vartolomei Mihaela  
Assist.dr. Duran Dan  
Assist.drd. Foldvary Kinga  
Corban Delia

3. Partenership for Excellence Research for Human Capital and Entreprenorial Skills Development in the Knowledge Based Economy, nr. 91-069/14.09.2007, Program 4 – CNMP

Value: 100.529 lei /2008

Director: Prof.dr.eng. Izvercianu Monica

Research team: Prof.dr.eng. Drăghici Anca  
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Lecturer dr. eng. Tămășilă Matei  
Lecturer dr. eng. Tion Monica

Lecturer dr .eng. Negru Străuți G.  
Lecturer dr. eng. Adrian Pugna

4. Customer's Requirements Integration in the Product Design Phase, Grant type TD, PN II, Human Resources, cod CNCSIS 18, nr. 3/1.10.2007

Value: 20.280 lei /2008

Director: Assist.drd.eng.Mihartescu Andreea

10. Dumitrescu, C., Pugna, A., Militaru, C., *Quality, Reliability, Maintenance of complex systems*, Editura Politehnica, Timișoara, 231 pages, ISBN 978-973-625-653- 0, (published in Romanian)

11. Dumitrescu, C., Pugna, A., Capotescu, S., *Quality engineering and assurance*, Editura Politehnica, Timișoara, 143 pages, ISBN 978-973-625-736-0, (published in Romanian)

## PUBLICATIONS

### BOOKS

1. Tămășilă Matei, *Performances Analyses and enterprise diagnosis - Concepts, Instruments and Methodes*, Editura Solness, Timisoara, 2008, 315 pages, ISBN 978-973-729-119-6 (published in Romanian)
2. Tăucean Ilie, *Production Management. Cours and Study Cases*, Editura Solness, Timisoara, 2008, 244 pages, ISBN 978-973-729-136-3 (published in Romanian)
3. Pugna Adrian, *Business negotiation*, Editura Eurobit, Timisoara, 2008, 300 pages, ISBN 978-973-620-409-8, (published in Romanian)
4. Pugna Adrian, Grozescu Ioan, Taguchi Robust Design–*Comparisons, Opportunities, Applications in hydrothermal technique*, Editura Eurobit, Timișoara, 2008, 320 pages, ISBN 978-973-620-441-8, (published in Romanian)
5. Prostean Gabriela, *Management*, Editura Orizonturi Universitare, Timisoara, 2008, 230 pages, ISBN: 978-973-638-336-6, (published in Romanian)
6. Popa H.L., Mocan M., Izvercianu M., Pater L.R., DAAAM International Scientific Book 2008, Vol. 7, B. Katalinic (Ed.), Chapt.Nr.8, *Competitiveness Strategies and Tactics for the International Scientific - Academic Associations and Clusters*, DAAAM International Publishing, Vienna, pp. 613-620, 9 pages, ISBN 3-901509-69-0
7. Popa H.L., Pater L.R., Cristea S.L., *The Competitiveness Management of Services*, Editura Politehnica Timișoara, 2008, 176 pages, SBN 978-973-625-648-6, (published in Romanian)
8. Muțiu Traian, *Design and management of productive systems*, Editura Eurobit Timisoara, 2008, 148 pages, ISBN 978-973-620-423-2, (published in Romanian)
9. Muțiu Traian, *Value engineering and management*, Editura Eurobit Timisoara, 2008, 189 pages, ISBN 978-973-620-433-3, (published in Romanian)

### PUBLISHED PAPERS

1. Izvercianu M., Pugna A., Negru-Strauti G., Tion M., *Model for determining the entrepreneurial profile*, 19th DAAAM International Symposium „Intelligent Manufacturing & Automation”, Trnava, Slovakia, 2008, pp. 673 -674, ISBN 978-3-901509-68-1, ISSN 1726-9679
2. Izvercianu M., Drăghici A., Guta C., *Mentor Profile For Human Resources in SMEs*, Annals of DAAAM for 2008 & Proceeding of the 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, Trnava, Slovakia, pp. 667 - 668, ISBN 978-3-901509-68-1, ISSN 1726-9679
3. Popa H.L., Izvercianu M., Mocan M., Pater R.L., *Progress Through Clusterisation in European Union*, Annals of DAAAM for 2008 & Proceeding of the 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, Trnava, Slovakia, pp. 1109-1110, ISBN 978-3-901509-68-1, ISSN 1726-9679
4. Izvercianu M., Popa H., Mocan M., *The features of a Competitive Professional Training*, Annals of DAAAM for 2008 & Proceeding of the 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, pp. 671 -672, Trnava, Slovakia, ISBN 978-3-901509-68-1, ISSN 1726-9679
5. Izvercianu M., Mihartescu A., Mazilescu A., După P., Staicu F., *Aspects regarding the Evolution of Franchise System on Romanian Market*, Annals of DAAAM for 2008 & Proceeding of the 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, Trnava, Slovakia, pp. 669 - 670 , ISBN 978-3-901509-68-1, ISSN 1726-9679

6. Cociu, N., Ignaton, E., Taroata, A., *Possibilities of optimization in the Romanian firm management*, The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions" 22-25th October 2008, Trnava, Slovakia, p. 283-284, ISBN 978-3-901509-68-1, ISSN 1726-9679
7. Tăucean, I., Tăroată, A., Tămășilă, M., *Management for Productivity in SMEs and Entrepreneurship Activity*, Proceedings of the 6th International DAAAM Baltic Conference: Industrial Engineering, 24-26 April 2008, Tallinn, Estonia, pp. 381-386, ISBN 978-9985-59-783-5
8. Pugna, A., Grozescu, I., Bucur, R., *Experimental Methods Used for Manufacturing High Quality  $\alpha$ -Quartz Monocrystals*, 6th International Conference of DAAAM Baltic Industrial Engineering, 24-26th April 2008, Tallin, Estonia, pp. 525-531, ISBN 978-9985-59-783-5
9. Tamasila M.,Taucean I., Pugna A., *The New Approach of Strategic Planning in the Romanian Small and Medium Size Enterprises*, The 6th International Conference of DAAAM Baltic Industrial Engineering, Tallin, Estonia, pp. 375-379, ISBN 978-9985-59-783-5
10. Negru-Străuți G, Izvercianu M., Tion M., *The Women Entrepreneurship in Romania*, Proceeding of 6 th International Conference of DAAAM Baltic Industrial Engineering 24-26 April 2008, Tallinn, Estonia, pp. 351- 356, ISBN 978-9985-59-783-5
11. Ana-Andreea Mihartescu, Alina-Crisanta Mazilescu, *The Identification of Customer's Requirements in Choosing of a Product's Model*, Annals of DAAAM for 2008& PROCEEDINGS, of The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, Trnava, Slovakia, pp. 0855-0856, ISSN 1726-9679, ISBN 978-3-901509-68-1
12. Alina-Crisanta Mazilescu, Ana-Andreea Mihartescu, Felicia Banciu, *Approaching the Modelling of a Human Resources Selection Information System from the Perspective of its Users*, Annals of DAAAM for 2008& PROCEEDINGS, of The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", Trnava, Slovakia, 22-25th October 2008, pp. 0835-0836, ISSN 1726-9679, ISBN 978-3-901509-68-1
13. Alina-Crisanta Mazilescu, Ana-Andreea Mihartescu, Maria Monica Popescu-Mitroi, *Job Satisfaction and Job Motivation of Romanian Young Professors*, Annals of DAAAM for 2008& PROCEEDINGS, of The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", Trnava, Slovakia, 22-25th October 2008, ISI PROCEEDINGS, pp. 0837-0838, ISSN 1726-9679, ISBN 978-3-901509-68-1
14. Buzera Marius, Prostean Gabriela; Stefan Constatin, *Assesment Techniques of the Products on the Basis of Shape Analysis*, The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics of Engineers", 22-25 October 2008, University of Trnava, Trnava Slovakia, pp. 093-094, ISSN 1726-9679, ISBN 978-3-901509-68-1
15. Prostean Gabriela; Taroata Anghel; Taucean Ilie Mihai; Tamasila Matei, *Planning Algorithm for Development of an Intelligent Scheduling System*, The 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics of Engineers", 22-25 October 2008, University of Trnava, Trnava Slovakia, pp. 576-577, ISSN 1726-9679, ISBN 978-3-901509-68-1
16. Tamasila M.,Taucean I., *Model for the Analysis of the Innovation Level for It&C Entrepreneurial Activity in Romania*, The 19th International DAAAM Symposium: "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 2008, University of Trnava, Trnava Slovakia, pp. 1353-1354, ISSN 1726-9679, ISBN 978-3-901509-68-1
17. Tăucean I., Tămășilă M., *Strategy Development Model for Innovation in Entrepreneurship*, The 19th International DAAAM Symposium: "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", Trnava Slovakia, pp. 1371-1372, ISSN 1726-9679, ISBN 978-3-901509-68-1
18. Drăghici A., Izvercianu M., Barglazan D., *Aspects of Green Business Development*, Annals of DAAAM for 2008 & Proceeding of the 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, editor: B. Katalinic, Published by DAAAM International, Vienna, Trnava Slovakia, pp. 0431-0432, ISSN 1726-9679, ISBN 978-3-901509-68-1

19. Buzera M., V. Groza, G. Prostean, O. Prostean, *Techniques of Analysing the Color of Produces for Automatic Classification*, Proceedings of the 21th IEEE International Conference on Intelligent Engineering, Miami, Florida, Feb. 25-29, 2008, IEEE Catalog Number: CFP08IES-CDR, Library of Congress: 2008900450, [ISI Proceedings-Web of Knowledge, IEEE Xplore INSPEC], pp. 209-214, ISBN: 978-1-4244-2083-4
20. Trifan, M. Bogdan Ionescu, Dan Ionescu, O. Prostean, G. Prostean, *An Ontology based Approach to Intelligent Data Mining for Environmental Virtual Warehouses of Sensor Data*, VECIMS 2008 – IEEE Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems, 14-16 July 2008, Istanbul, Turkey
21. Dobren , F.A., Dumitrescu, C., D., , Istrat, N., Marinescu, S. A., *Influence of the Photosynthesis on the Pollution With Carbon Dioxide in Timisoara*, Annals of DAAAM for 2008 & Proceeding of the 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, editor: B. Katalinic, Published by DAAAM International, Vienna, Trnava, Slovakia, pp. 392-392, ISSN 1726-9679, ISBN 978-3-901509-68-1
22. Dobren, F.A., Dumitrescu, C.,D., Lazarescu, C., Istrat, N., Amariei, O.I, *Optimization of the Production Structures*, Annals of DAAAM for 2008 & Proceeding of the 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, editor: B. Katalinic, Published by DAAAM International, Vienna, Trnava, Slovakia, pp. 393-394, ISSN 1726-9679, ISBN 978-3-901509-68-1 ISSN 1726-9679
23. Stefanescu, W., Pugna, A., Pleniceanu, A., *Studies Regarding Manufacturing Technologies of Natural Basalt Sintering Parts*, Annals of DAAAM for 2008 & Proceeding of the 19th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions", 22-25th October 2008, editor: B. Katalinic, Published by DAAAM International, Vienna, Trnava Slovakia, pp. 307-1308, ISSN 1726-9679, ISBN 978-3-901509-68-1
24. Cociu Nicolae, *Estimating the business risk through stochastic linear programming*, Scientific Bulletin of the "Politehnica" University of Timișoara, Romania, Transactions on Management. Engineering Economy. Transportation Engineering, Vol. 53 (67), 2008, No.1, pp.45-52, ISSN 1224 – 6050
25. Cociu Nicolae, *Qualitative aspects of decisional process*, Scientific Bulletin of the "Politehnica" University of Timișoara, Romania, Transactions on Management. Engineering Economy. Transportation Engineering, Vol. 53 (67), 2008, No. 2, pp. 45-50, ISSN 1224 – 6050
26. Draghici A., Draghici G., *Strategic Analysis for Research Virtual Teams. The Case of INPRO Research Network*, Annals of the Oradea University, Fascicle of Management and Technological Engineering, CD-ROM Edition, vol. VII (XVII), 2008, pp. 2134-2143, ISSN 1583-0691
27. Izvercianu M., Draghici A., *Research for the Vocational Training Requirements' Identification in the Case of Romanian Enterprises*, The 3rd International Symposium e\_CEL3 (e\_economic lifelong learning consortium), Effects of Continuing Learning on the labor market and Organizations Competitiveness, Brasov, 2008, Universitatea Spiru Haret, Editura Fundației România de Măine București, pp. 451-457, ISBN 978-973-163-263-6
28. Draghici A., Izvercianu M., Negru-Stăuți G., Bărglăzan D., *The Continuing Learning Process in the Romanian Small and Medium Sized Enterprises*, The 3rd International Symposium e\_CEL3 (e\_economic lifelong learning consortium), Effects of Continuing Learning on the labor market and Organizations Competitiveness, Brasov, 2008, Universitatea Spiru Haret, Editura Fundației România de Măine București, pp. 507-516, ISBN 978-973-163-263-7
29. Drăghici A., Draghici G., *Building an Efficient Research Team for Attending the Product Lifecycle Management Industrial Needs*, The 3rd Annual Congress of the American Romanian Academy of Arts and Sciences (ARA), Wentworth Institute of Technology Boston, MA, USA, Proceedings, Scientific Editors: Marian Gh. Simion, Ilie Tălpășanu, Polytechnic International Press Canada, pp. 229-232, ISBN 978-2-553-01424-6
30. Izvercianu M., Draghici A., *The University Entrepreneurship Education. The Case of Politehnica University of Timisoara*, The 3rd Annual Congress of the American Romanian Academy of Arts and Sciences (ARA), Wentworth Institute of Technology Boston, MA, USA, Proceedings, Scientific Editors: Marian Gh. Simion, Ilie Tălpășanu,

- Polytechnic International Press Canada, pp. 238-241, ISBN 978-2-553-01424-6
31. Izvercianu M., Draghici A., *The Entrepreneurship Education as Part of Human Resources Development*, MITIP 2008, Praga, 12-14 nov. 2008, Editors: Jan Han, Pavla Holejsovska, Published by University of West Bohemia, Proceedings of the 10th International Conference on the Modern Information Technology in the Innovation Processes of the Industrial Enterprises, pp. 200-206, ISBN 978-80-7043-738-4
  32. Alina-Crisanta Mazilescu, Ana-Andreea Mihartescu, Maria Monica Popescu-Mitroi, *Training Need in the Romanian Industrial Environment*, The II International Science Conference for Young Researchers "Tehnikal Science and Industrial Management"-ISCTSIM, Sozopol-Bulgaria, Scientific Proceedings of the Scientific – Technical Union of Mechanical Engineering, 5 pp, ISSN 1310-3946
  33. Ivaylo Stoyanov, Kiril Anguelov, Ana-Andreea Mihartescu, *Identification and Management Needs of Customers Interested Parties in Business Process Reengineering Through QFD*, The II International Science Conference for Young Researchers "Tehnikal Science and Industrial Management"-ISCTSIM, Sozopol-Bulgaria, Scientific Proceedings of the Scientific – Technical Union of Mechanical Engineering, 6 pp., ISSN 1310-3946
  34. Ana-Andreea Mihartescu, Alina-Crisanta Mazilescu, Ivaylo Stoyanov, *Relationships between Aesthetics and Engineering in Product Design*, The II International Science Conference for Young Researchers "Tehnikal Science and Industrial Management"-ISCTSIM, Sozopol-Bulgaria, Scientific Proceedings of the Scientific – Technical Union of Mechanical Engineering, 6 pp., ISSN 1310-3946
  35. Draghici A., Draghici G., Izvercianu M., *Multi-Cultural Aspects in Global Virtual Engineering Teams – How Synergy Can Improve Knowledge Sharing and Interaction*, Management International Conference - MIC 2008, Barcelona, 26-29 nov. 2008, International Conference Proceedings, Proceedings of the 10th International Conference on the Modern Information Technology in the Innovation Processes of the Industrial Enterprises, pp. 831-850, ISBN 978-961-6573-99-3, ISSN 1854-4312
  36. Bărglăzan D., *Facteurs de compétitivité des clusters IT. Situation de la Roumanie*, „La compétitivité des entreprises, territoires et des Etats d'Europe. Conséquences pour le développement et la cohésion de l'U.E.”, Wydawnictwo Akademii Ekonomicznej w Poznaniu, Poznan (Polonia), 2008, p.429-441, „La compétitivité des entreprises, territoires et des Etats d'Europe. Conséquences pour le développement et la cohésion de l'U.E.”, Wydawnictwo Akademii Ekonomicznej w Poznaniu, Poznan (Polonia), 2008, ISBN 978-83-7417-356-8
  37. Popa H.L., *The competitiveness management of clusters*, Scientific Bulletin of the "Politehnica" University of Timișoara, Romania, Transactions on Management. Engineering Economy. Transportation Engineering, Vol.53 (67), No. 2, 2008, pp. 5-32, ISSN 1224-6050
  38. Popa H.L., *Characterisation and evaluation of clusters*, Scientific Bulletin of the "Politehnica" University of Timișoara, Romania, Transactions on Management. Engineering Economy. Transportation Engineering, Vol. 53 (67), No.1, 2008, pp. 25-34, ISSN 1224-6050
  39. Pugna, A., Negru -Străuți, G., Rusu, E., *Evaluation of fabrication process for a direct quality characteristic*, Scientific Bulletin of the "Politehnica" University of Timișoara, Romania, Transactions on Management. Engineering Economy. Transportation Engineering, Vol. 53 (67), No. 2, 2008, pp. 65-74, ISSN 1224-6050
  40. Popa, H.L., *Sustainable competitive innoclusters. A systemic approach*, Scientific Bulletin of the "Politehnica" University of Timișoara, Romania, Transactions on Management. Engineering Economy. Transportation Engineering, Vol. 53 (67), No. 1, 2008, pp. 5-16, ISSN 1224-6050
  41. Tion Monica, Preda Oana, *The Marketing politics for recruitment and selection of personnel services*, Annals of the Oradea University, Economics Science, vol IV, pp. 1237-1243, ISSN-1582-5450
  42. Preda Oana, Tion Monica, *Marketing the home based business*, Annals of the Oradea University, Economics Science, vol IV, pp. 1106-1112, ISSN-1582-5451
  43. A. Pugna, I. Tăucean, M. Tămășilă, *Industrial Processes Performance and Capability Evaluation*, Buletinul AGIR. Fondat 1918. Ediție nouă. Anul XIII, nr 1-2, ianuarie - iunie 2008, pp. 112-117, ISSN 1224-7928

**PHD THESIS SUSTAINED**

1. Pîrvu Marcel Mircea, *Contributions at continue management bettering in engineering systems*, PhD supervisor: Prof.dr.eng. Constantin Dan Dumitrescu
2. Leuca Gabriela, *Considerations about the Management of small and medium Enterprises from Romanian Industrie in European Integration context*, PhD supervisor: Prof.dr.eng. Constantin Dan Dumitrescu

**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 IZVERCIANU  
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 Prof.dr.eng. Constantin DUMITRESCU  
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 Assoc.prof.dr. Nicolae COCIU  
 Assoc.prof.dr.eng. Traian MUȚIU  
 Assoc.prof.dr.eng. Păun ALAN  
 Lecturer dr. eng. Tiberiu Liviu OANĂ  
 Lecturer dr. ec .eng. Simina IOVAN  
 Lecturer dr. eng. Ilie TĂUCEAN  
 Lecturer dr. eng. Adrian PUGNA  
 Lecturer dr. ec. eng. Matei TĂMĂȘILĂ  
 Lecturer dr. eng. Gabriela NEGRU STRĂUȚI  
 Lecturer dr. eng. Monica TION  
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 Assist.drd.eng. Mircea NEGRUȚ  
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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. Introduction of 5S System to Leman Industrie SRL Timișoara, nr. 31/10.03.2008, Period: 2008  
 Value: 10.826 lei  
 Director: Prof.dr.eng. Mocan Marian  
 Research team: Lecturer dr. eng. Pugna Adrian  
 Lecturer dr. eng. Tamasila Matei  
 Lecturer dr. eng. Strauti Gabriela  
 Lecturer dr. eng. Taucean Ilie
2. Consultancy in the field of industrial engineering with objective the processes optimization at SC. QUALEX Oradea, Nr. 184/2611/2006  
 Value: 1.000 Euro /2008  
 Director: Prof.dr.eng.Dumitrescu Constantin  
 Research team: Assoc.prof.dr.eng. Mutiu Traian
3. Research contract for the Activity Restructure at the UCM Resita, Nr. 429/1603/2007  
 Value: 1.000 Euro /2008  
 Director: Prof.dr.eng.Dumitrescu Constantin  
 Research team: Assoc.prof.dr.eng. Mutiu Traian
4. Preview scenarios of the sectors and branches from Romanian economy with the innovative pottential in perspectiv of 2020 INOVFOR, CEx05-D8-77 /10 10.2005  
 Value: 100.000 lei /2008  
 Director: Prof.dr.eng. Mocan Marian  
 Research team: Prof.dr.eng. Vasii Radu  
 Lecturer dr. eng. Andone Diana  
 Lecturer dr. eng. Tămășilă Matei  
 Lecturer dr. eng. Tăucean Ilie
5. Corporate social responsibility in Romanian companies in european context RSE/UE, CEx05 nr.59 -10 10.2005  
 Value: 100.000 lei /2008  
 Director: Prof.dr.eng. Mocan Marian  
 Research team: Prof.dr.eng. Vasii Radu  
 Lecturer dr. eng. Andone Diana  
 Lecturer dr. eng. Tămășilă Matei  
 Lecturer dr. eng. Tăucean Ilie



## PUBLICATIONS

## BOOKS

1. Mocan Marian, Mocan Camelia, Epure Lia Lucia, *A modern vision regarding the management, communication and logistics in organisation*, Editura Brumar, Timisoara, 2008, 155 pages, ISBN 978-973-602-401-6 (published in Romanian)
2. Drăghici A., *Effects of Ergonomics Knowledge Transfer to Enterprise's Practice*, 8 pages., Virtual Design and Automation – New Trends in Collaborative Product Design, Ed. Zenobia Weiss, Publishing House of Poznan University of Technology, Polonia, ISBN 978-83-7143-388-7
3. Dumitrescu, C., D., *Products and Services Engineering and Quality Management*, Editura Politehnica, Timișoara, 94 pages, ISBN 978-973-635-654-7, (published in Romanian)

## PUBLISHED PAPERS

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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

#### RESEARCH PROJECTS

1. Local Community Energy Services Using Aerflow, contract No. 21-036/2007-2010  
 Value: 714.701 lei /2008  
 Director: Milos T.  
 Research team: Assist.dr. Vartolomei Mihaela
2. Welding and Thermoplast Materials Testing Laboratory Development at the European Level PN II 322, Capacitati /2007-2009, ANCS  
 Value: 91.800 lei /2008  
 Director: Cocard M.  
 Research team: Assist.dr. Vartolomei Mihaela

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#### 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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