

KNOWLEDGE MANAGEMENT-BASED RESEARCH CONCERNING INDUSTRY-UNIVERSITY COLLABORATION IN AN OPEN INNOVATION CONTEXT- UNIINOI

Goal of the project

In the present competitive climate, research knowledge and innovation are seen as the main distinguishing factors of firm success and as the basis of competitive advantages. Following a long tradition of research in the field of innovation, Open Innovation is an approach in which the boundaries of innovation are shifting from a situation where firms conduct research and development activities mainly internally, to a widespread collaboration and external knowledge source, to help them in achieving and sustain innovation. Although universities are seen among the most important partners with whom firms can cooperate, quantitative empirical evidence with regards to the development, evolution and sustainability of Industry-University relations in Open Innovation is still very scarce.

Short description of the project

- The general objective of the project is to sustain the research and development activities, based on knowledge management and carried out in collaboration by the consortium partners, for the development of an environment that promote Industry-University collaboration in Open Innovation.

Project implemented by

- University of Oradea
- Politehnica University of Timisoara
- Technical University of Cluj-Napoca
- S.C. EMSIL TECHTRANS S.R.L.

Implementation period

2014-2016

Main activities

1. The development of the collaborative research environment
2. The development of an Open Innovation environment between Industry-University
3. The development of a model for performance measurement of Industry-University collaboration in Open Innovation

Financed through/by

Ministry of National Education
The Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI)

Research Team

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Results

Articles in ISI Journals

- Baban, C.F., Baban, M., Suteu, M.D. (2015). Using a fuzzy logic approach for the predictive maintenance of textile machines, *Journal of Intelligent & Fuzzy Systems*, vol. Preprint, no. Preprint, pp. 1-8, 10.3233/IFS-151822 (Impact factor 2015=1.812).
- Oana, D., Suteu, M.D., Oana, I.P. (2016). The thinness degree study of wool yarns of different origins using the Uster machine, *Industria Textila* (accepted for publication, Impact factor 2015=0.475).

Articles in journals indexed in International Database

- Lakatos, E.S., Bercea, O.B., Moldovan, A., Bacali, L. (2015). Partnership between industry and university from an Open Innovation perspective, *Review of Management and Economic Engineering*, 14(1), pp. 173-182.
- Vaida, R., Bacali, L., Lakatos, E.S., Drăghici, A. (2015). Applications of knowledge management in social enterprises, *Review of Management and Economic Engineering*, 14(3), pp. 516-527.
- Baban, M., Baban, C.F., Buidos, T., Stanasel, I. (2015). A reverse engineering approach for the products development, *Nonconventional Technologies Review*, 19(1), pp.12-17.
- Pancu, R., Mihăilă, S. (2015). The actuation mechanism concept used at the modular fixture system for TMA-AL 550 horizontal milling centre, *Nonconventional Technologies Review*, 19(3), pp.32-36.
- Baban, M., Baban, C.F., Pele, A.V. (2015). A perspective on the usefulness of knowledge acquired within a simulated enterprise in reverse engineering, *ANNALS OF THE ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering*, Volume XXIV (XIV), Issue 3, pp.9-12.
- Draghici A., Cirtan M. A., Florea C. (2015). Some Consideration on Knowledge Management Implication on Organization's Competitiveness, *ACTA UNIVERSITATIS CIBINIENSIS – TECHNICAL SERIES*, Vol. LXVI, issue 1 (July 2015), DOI: 10.1515/aucts-2015-0024, pp. 41-46.

- Dragomir, G., Pancu, R., Mitran, T.A., Georgescu, L., Moca, S. (2015). Study regarding the car brake disc temperature variation during the lengthy braking, ANNALS OF THE ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Volume XXIV (XIV), Issue 3, pp.57-60.
 - Draghici A., Brad S. (2016). The Lean Agile Technology Transfer Model: Revisiting University-Industry Collaboration through the Gate of Innovation Process, International Journal of Sustainable Economy (accepted for publication)
 - Cantor, A., Bacali, L., Muresan, M.C. (2015). About the role of marketing research, Review of Management and Economic Engineering, 14(4) (accepted for publication)
 - Naghiu, M.O. (2015). Panmarketing – Towards a New Marketing!?, Review of Management and Economic Engineering, 14(4) (accepted for publication)
 - 11. Brandușan, R., Bacali, L., Mureșan, C.M., Lakatos, E.S. (2014). Exploratory research regarding knowledge management, Review of Management and Economic Engineering, 13(4), pp. 789-796
 - Draghici, A., Baban, C., Gogan, M., Ivascu, L. (2014). A knowledge management approach for the university – industry collaboration in open innovation context Procedia Economics and Finance, Elsevier (accepted for publication)
 - Brandușan, R., Bacali, L., Mureșan, C.M., (2014). Exploratory research regarding knowledge management, Review of Management and Economic Engineering, 4, 789-796
 - Lakatos, E.S., Bercea, O.B., Moldovan, A., Bacali, L.(2015). Partnership between industry and university from an Open Innovation perspective, Review of Management and Economic Engineering, nr 1.
- Participations at conferences**
- Draghici A., Baban C. F., Gogan M. L., Ivascu V. L. (2015). A Knowledge Management Approach for The University-Industry Collaboration in Open Innovation, Procedia Economics and Finance, vol. 23/2015, pp. 23-32, 2nd GLOBAL CONFERENCE on BUSINESS, ECONOMICS, MANAGEMENT and TOURISM, 30-31 October 2014, Prague, Czech Republic, doi:10.1016/S2212-5671(15)00377-9
 - Draghici, A., Ivascu, L.V., Baban, C.F., L. Bacali, L. (2015). University-industry collaboration in open innovation, INTED2015 Proceedings, 9th International Technology, Education and Development Conference, Madrid, Spain 2-4 March 2015, pp. 6278-6287 (submitted to ISI Thomson for indexing)
 - Draghici, A., Baban, C.F., Ivascu, L.V., Sarca, I. (2015). Key success factors for university–industry collaboration in open innovation, ICERI2015 Proceedings, 8th International Conference of Education, Research and Innovation, Seville, Spain 18–20 November 2015, pp. 7357-7365 (submitted to ISI Thomson for indexing)
 - Draghici A., Foldvary-Schramko H. K., Baban C. F. (2015). Comparative Study on Knowledge Management Dimensions That Support Education and New Learning Technologies in Romanian Universities, EDULEARN15 Proceedings, 7th International Conference on Education and New Learning Technologies, Barcelona, Spain, 6th-8th July 2015, pp. 6726 – 6735 (submitted to ISI Thomson for indexing)
 - Ivascu L., Mocan M., Draghici A., Turi A., Rus S. (2015). Modeling the Green Supply Chain in the Context of Sustainable Development, 4th World Conference on Business, Economics and Management (BEM-2015), Procedia Economics and Finance, Volume 26, ISBN 2212-5671, pp. 702–708 (submitted to ISI Thomson for indexing)
 - Ivascu L., Cirjaliu B., Draghici A. (2015). Business model for the university-industry collaboration in open innovation, 3rd GLOBAL CONFERENCE on BUSINESS, ECONOMICS, MANAGEMENT and TOURISM, 26-28 November 2015, Rome, Italy (submitted to ISI Thomson for indexing)
 - Lakatos, E.S. (2015). The benefits of IT tools in innovation process for SME Sustainability, Third International Conference on Advances in Management, Economics and Social Science – MES 2015, Rome, Italy, 10-11 December (acceptat spre publicare)
- Products**
- The Portal of Knowledge Management - KM Portal
 - (http://imtuoradea.ro/PNII_337_platforma/ platforma.php)
- Others**
- The model survey questionnaire to identify the main dimensions of the Industry- Universities collaboration in Open Innovation
 - Report on the ontology of the Industry- Universities collaboration in Open Innovation
 - Knowledge maps of the Industry- Universities collaboration in Open Innovation

Contact information

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