

Practical evaluation of multifunctional nanocoatings technology commercialization in Latvia

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Abstract

In the frame of the research Project a group of the Latvian scientists work on developing of the engineering economical indicators' system for multifunctional nanocoatings technology. For the audience of the Conference the researchers propose preliminary results within an analytical evaluation of commercialization aspects from the carried practical surveys. Among the main findings the authors point to the current official data limitations in identification of the homogeneous branch at a consistent approach to generate a set of the statistical data for the nanotechnology industries in Latvia. Therefore, the authors applied holistic analysis method. Currently development of the nanotechnology in Latvia is gradual, and existing scientific fundamentals indicate the investors' interest. Recently a share of the developments and services produced for the aircraft and spacecraft segment in Latvia had not exceeded 15 per cents of the entire turnover from the targeted business and scientific institutions, however, particular business units had reported very strong capabilities and high ROA ratio in comparison to overall official sectorial dynamics.

Keywords

Commercialization, nanotechnology, multifunctional coatings in Latvia, research and development, science based companies in Latvia

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Biography

Tatjana Staube, Dr.oec., Assist.Prof., Riga Technical University, Latvia, graduated in 2013. She has more than 10 years of a professional experience in real estate investment projects analysis, market and financial analysis, feasibility studies at Colliers International, Rimi Latvia, Latvian Post Office; in the Ministry of environmental protection and regional development of Latvia Tatjana was responsible for climate change financial instrument's adaptation control and management. Since 2001 Tatjana Staube is an author of 32 scientific publications. Since 2009 she had participation in 20 scientific conferences and five scientific and practical projects, congresses and workshops. Mrs. Staube is an expert in Management and Economics Sciences at the Latvian Council of Science. Field of study interest: commercial real estate, economic theory, feasibility studies, financial analysis, location analysis, market research, sectors of national economy, spatial economic allocation, strategic business development planning, sustainable development.

Guna Ciemleja is a Doctor of Economics (Dr.oec.) and Assistant Professor at the Department of Finance of Riga Technical University, where she teaches several finance-related courses. Since 2012 she is an expert in the field of Economics and Management at the Latvian Council of Science. She is a co-author of the scientific books: “Teaching methodology for providing sustainable development in small and medium enterprises based on company life cycles” (2011), “Management of Personal Finance” (2013) and “Financial literacy and its Evaluation” (2013). She has more

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Ineta Geipele, Dr.oec., is a Professor at Riga Technical University, Faculty of Engineering Economics, Latvia, graduated in 1998. Mrs. Geipele is a Director of the Institute of the Civil Engineering and Real Estate Economics, Head of the Chair of the Civil Construction and Real Estate Economics and Management at the RTU, Director of the RTU Building Entrepreneurship and Real Estate Evaluation, Business and Management Competence Centre. She has more than 180 publications and participation in a number of local and international scientific projects as a manager and a participant. Since 2006 she is the FIABCI Latvia representative. Mrs. Geipele is a member of FIABCI-Baltic Multinational Chapter, Officer of board of the Council of the Facility Management of Latvian Housing, a member of the Latvian Union of Civil Engineers, the RTU Academical Assembly, the Competence Council Member of the Latvian Chamber of Commerce and Industry. Professor is a reviewer in a number of the scientific journals, conferences' proceedings and monographs. The Professor is the expert of the Latvian Academy of Sciences in management and economics sciences at the Latvian Council of Science. Field of study: real estate economics and management.