

September 29, 2023



64th International Scientific Conference of Riga Technical University

Scientific Problems of Engineering Economics of Construction and Real Estate Management, Regional and Territorial Development

HEAD OF THE SECTION

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Friday, September 29

Join Zoom Meeting https://rtucloud1.zoom.us/j/92665460641?pwd=ZWVzR3hzcktTbmNjbzYrRWZlaHA2UT09 Moderator: JANIS ZVIRGZDINS, ANTRA KUNDZINA

9.30–10.00	REGISTRATION OF PARTICIPANTS
10.00–10.40	WELCOME TO THE CONFERENCE Martins Auders, Department of Housing Policy, Ministry of Economics, Latvia Laura Tupenaite, Vilnius Gediminas Technical University, Lithuania Rūta Bendere, Waste Management Association of Latvia, Latvia Ineta Geipele, Riga Technical University, Latvia
10.40–13.00	CHALLENGES IN MODELLING THE IMPACT OF GREENER AND ENVIRONMENTALLY FRIENDLY SOLUTIONS APPLICATION IN LAST-MILE DELIVERY IN LATVIA: NATIONAL AND REGIONAL PERSPECTIVE Astra Auzina-Emsina, Riga Technical University, Latvia
	PRECONDITIONS OF DEVELOPMENT OF SUSTAINABLE SOLUTION FOR TRANSPORTATION SERVICES IN LATVIA Valerijs Skribans, Riga Technical University, Latvia













ASSESSMENT OF THE IMPACT OF ECONOMIC AND ADMINISTRATIVE INSTRUMENTS ON TRANSFORMATION TO A SUSTAINABLE MOBILITY

Maris Juruss, Riga Technical University, Latvia

Janis Brizga, University of Latvia, Latvia

OPPORTUNITIES FOR THE WOODEN PUBLIC BUILDINGS' DEVELOPMENT IN LITHUANIA

Jurga Naimaviciene, Dovile Muizinikiene, Laura Tupenaite, Loreta Kanapeckiene, Tomas Gecys, Vilnius Gediminas Technical University, Lithuania

MAIN RESULTS WITHIN CLI-MA PROJECT WITH REGARD TO IMPROVE ENERGY PERFORMANCE LEVEL OF RESIDENTIAL BUILDINGS

Antra Kundzina, Ineta Geipele, Iveta Stamure, Riga Technical University, Latvia

DIGITAL TWIN AS A TOOL FOR GREEN HYDROGEN PRODUCTION OPTIMIZATION Leo Jansons, Ineta Geipele, Namejs Zeltins, Riga Technical University, Latvia

DIGITAL TWINS IN URBAN ENERGY COMMUNITIES: A DATA ACQUISITION AND PROCESSING MANAGEMENT PROBLEM

Leo Jansons, Ineta Geipele, Namejs Zeltins, Valerijs Skribans, Riga Technical University, Latvia

THE CONCEPT OF ENERGY COMMUNITIES IN THE EUROPEAN UNION Martins Auders, Ineta Geipele, Sanda Lapuke, Riga Technical University, Latvia

URBAN RENAISSANCE: NAVIGATING SUSTAINABLE URBANIZATION FOR REGIONAL PROSPERITY

Regina Veckalne, Tatjana Tambovceva, Riga Technical University, Riga, Latvia

ASSESSMENT OF IMPLEMENTATION OF CIRCULAR ECONOMY FRAMEWORK IN THE SRI LANKAN CONSTRUCTION SECTOR

Thilina Ganganath Weerakoon, Sulaksha Wimalasena, Sri Lanka Institute of Information Technology, Sri Lanka

Janis Zvirgzdins, Riga Technical University, Latvia

IDENTIFYING POTENTIAL HOUSEHOLD WASTE AS SECONDARY RAW MATERIALS IN THE CONSTRUCTION INDUSTRY: A CASE STUDY OF SRI LANKA

Thilina Ganganath Weerakoon, Sulaksha Wimalasena, Sri Lanka Institute of Information Technology, Sri Lanka

Janis Zvirgzdins, Riga Technical University, Latvia

RETROSPECTION OF DEVELOPMENT OF CIRCULAR ECONOMY CONCEPT

Janis Zvirgzdins, Ineta Geipele, Sanda Lapuke, Riga Technical University, Latvia

FROM INDUSTRIAL REVOLUTION TO THE NEED OF CIRCULAR ECONOMY IMPLEMENTATION Janis Zvirgzdins, Kaspars Plotka, Ineta Geipele, Riga Technical University, Latvia

13.00–13.30 LUNCH BREAK

13.30–16.00 UNDERLINING THE NEED OF CIRCULAR ECONOMY IN URBAN ENVIRONMENT

Janis Zvirgzdins, Kaspars Plotka, Ineta Geipele, Riga Technical University, Latvia

CONCEPTUALIZATION OF SYNERGY IN URBAN ENVIRONMENT Kaspars Plotka, Riga Technical University, Latvia

THE PROCESS OF ABOLISHMENT OF MUNICIPALITY REAL ESTATE RIGHT OF FIRST REFUSAL IN LATVIA

Janis Viesturs, Armands Auzins, Riga Technical University, Latvia

EFFICIENCY AND EFFECTIVENESS IN BUSINESS AND BEYOND: CRITICAL AND ANALYTICAL APPROACH

Janis Vanags, Ineta Geipele, Riga Technical University, Latvia

VALUES OF HIGHER EDUCATION INSTITUTIONS: THEIR CRITICAL AND ANALYTICAL EVALUATION

Janis Vanags, Ineta Geipele, Riga Technical University, Latvia

THE CONTEMPORARY DYNAMICS OF QUANTITATIVE EFFECTS OF BUSINESS PARTNERSHIPS OF CONSTRUCTION ENTERPRISES

Janis Vanags, Ineta Geipele, Riga Technical University, Latvia

Andris Vanags, Turiba University, Latvia

TECHNOLOGICAL ADVANCEMENTS IN REAL ESTATE MANAGEMENT ASSISTANCE OF VIRTUAL 3D TOUR

Jurga Naimaviciene, Lina Leimontaite, Loreta Kanapeckiene, Laura Tupenaite, Vilnius Gediminas Technical University, Lithuania

LOW-RENT HOUSING CONSTRUCTION OPPORTUNITIES

Iveta Amolina, Riga Technical University, Latvia

SITUATION IN ENERGY CERTIFICATION OF RESIDENTIAL BUILDINGS IN LATVIA Antra Kundzina, Sanda Lapuke, Riga Technical University, Latvia

THE EFFECT OF EXTERNAL AND INTERNAL FACTORS ON MANAGEMENT EFFECTIVENESS WITHIN INDIAN CONSTRUCTION COMPANIES

Rashmi Jaymin Sanchaniya, Cijo George Thomas, Ineta Geipele, Riga Technical University, Riga, Latvia

CIRCULAR ECONOMY STRATEGIES IN BUILDING DESIGN: PRIORITIZING SUSTAINABILITY THROUGH BEST-WORST DECISION-MAKING METHOD (BWM)

Soroush Saneimoghaddam, Janis Zvirgzdins, Sanda Lapuke, Riga Technical University, Latvia

ECONOMIC CRISIS ADAPTATION IN SRI LANKAN CONSTRUCTION: PATHWAY TO PROSPERITY

Thilina Ganganath Weerakoon, Sulaksha Wimalasena, Department of Civil Engineering, Sri Lanka Institute of Information Technology, Sri Lanka, Riga Technical University, Riga, Latvia

Kristine Fedotova, Riga Technical University, Riga, Latvia

COMPATIBILITY OF LVS EN 16310:2020 WITH CONSTRUCTION DESIGN METHODS Janis Uzulens, Zanda Zarina, Jurisconsultus Ltd., Latvia

TECHNICAL CONDITION OF SOVIET-ERA APARTMENT BUILDINGS, RELATED PROBLEMS AND POSSIBLE SOLUTIONS IN LATVIA

Zanda Zarina, Janis Uzulens, Jurisconsultus Ltd., Latvia

DEVELOPMENT OF THE MUNICIPAL REAL ESTATE STRATEGY IN LATVIA Liva Voitehovica, Antra Kundzina, Riga Technical University, Latvia

FACTORS INFLUENCING THE ADOPTION OF SMART BUILDING AND SERVICE PREFERENCES IN SRI LANKA

Thilina Ganganath Weerakoon, Sulaksha Wimalasena, Nivethan Moganaraj, Riga Technical University, Latvia

COMPARATIVE ANALYSIS OF THE CONSTRUCTION SECTOR OF LATVIA AND AZERBAIJAN Regina Veckalne, Humbat Humbatov, Riga Technical University, Latvia

ENVIRONMENTALLY FRIENDLY CONSTRUCTION DEVELOPMENT STRATEGY IN LATVIA Andris Dulbinskis, Kristine Fedotova, Riga Technical University, Latvia

THE CONSTRUCTION COST INDICES: THE CASE STUDY IN LATVIA Ineta Geipele, Janis Kaminskis, Riga Technical University, Latvia

DISTINCTIVE CHARACTERISTICS OF CONSTRUCTION MATERIALS AND THEIR EVALUATION APPROACHES IN LATVIA AND UKRAINE

Mariia Mykhalova, Kyiv National University of Construction and Architecture, Ukraine

Iveta Stamure, Sanda Lapuke, Riga Technical University, Latvia

MARINE CADASTRE AND SPATIAL PLANNING ASPECTS IN THE BALTIC SEA REGION: COMPARISON OF LATVIA AND POLAND

Kamil Kowalczyk, University of Warmia and Mazury in Olsztyn, Poland

Jānis Kaminskis, Iveta Stamure, Riga Technical University, Latvia

ANALYSIS OF MULTI-APARTMENT RESIDENTIAL HOUSING MANAGEMENT PROCESSES

Lelde Zvirbule, Civinity Ltd., Latvia, Riga Technical University, Latvia

Iveta Stamure, Riga Technical University, Latvia

Una Pavulane, Property management, Germany

PUBLIC REAL ESTATE MANAGEMENT IN THE UNITED KINGDOM Raimonds Stamurs, IKEA Ltd., United Kingdom, Riga Technical University, Latvia

Ineta Geipele, Iveta Stamure, Sanda Lapuke, Riga Technical University, Latvia

DISCUSSIONS AND SUMMARY