



KAUNAS UNIVERSITY OF TECHNOLOGY

FACULTY OF CIVIL ENGINEERING AND ARCHITECTURE

KTU Santaka Valley - science, study and business centre, K. Baršauskas str. 59, Kaunas

Agenda

Friday, November 25

10:00 **Opening of the conference**

Greetings from Assoc. prof. dr. Laura Stasiulienė, Vice-Dean for Studies of the Faculty of Civil Engineering and Architecture

Presentations of the Conference

The chairman PhD student Aurelija Daugėlaitė

10:05 **Influence of Ground Dolomite on Concrete Properties**

Speaker: Paulina Gediminaitė, Kaunas University of Technology. Co-authors: Ernestas Ivanauskas, Lukas Steponavičius and Ignas Šiškauskas

10:15 **Development of the Building Shape Compactness Factor for the Assessment of Energy Consumption in Lithuanian Climate**

Speaker: Vytautas Garliauskas, Kaunas University of Technology

10:25 **Possibilities of Increasing the Compactness of the Central Part of Kaunas City Using the Principles of Brownfield Redevelopment**

Speaker: Kristina Podinskaitė, Kaunas University of Technology

10:35 **Production of Artificial Aggregates and Concrete Products by Green Technology**

Speaker: Lukas Eibutis, Kaunas University of Technology

10:45 **Research of Integration of Urban Farming and Landscape Architecture: Case of Kaunas, Lithuania**



Speaker: Mohamed Abderrahmane Belkhayat Zougari, Kaunas University of Technology

10:55 Feasibility Study of Commerce and Residential Area Development in Jonavos Str. 43C, in Kaunas

Speaker: Tiroumaren Seerungum, Kaunas University of Technology

11:05 Integrated Design of Transport Infrastructure and Public Spaces According to the Need of the Historic City: Humanistic Approach to the Public Function and Sustainable Development

Speaker: Havva Buse Tuğtepe, Kaunas University of Technology

11:15 Reflecting Natural Systems in Architecture by Focusing on Buildings' Afterlife: Design for Disassembly

Speaker: Aleksandra Musiał, Kaunas University of Technology

11:25 Redistribution of Internal Forces of a Reinforced Concrete Frame Depending on an Uneven Foundation Settlement

Speaker: Mindaugas Valdavičius, Kaunas University of Technology

11:35 Evaluation of Sustainability of Educational Building with the use of Building Information Modelling tools and Life Cycle Assessment

Speaker: Mantas Mikuckis, Kaunas University of Technology. Co-author: Lina Šeduikytė

11:45 Investigation of Strengthening of Reinforced Concrete Beams

Speaker: Gražvidas Savelevas, Kaunas University of Technology

11:55 Analysis of Strength and Deformations of Bending Elements of Wood (CLT) and Concrete Composite Floor

Speaker: Tomas Šalčiūnas, Kaunas University of Technology

12:05-13:00

Lunch break



Presentations of the Conference

The chairman PhD student Thomas Andre Jeremy Gloaguen

- 13:00** **Research of Produced and Pressed Biocomposite with Wood Waste and its Properties**
- Speaker: Dinas Vilius Daunoravičius, Kaunas University of Technology
- 13:10** **Superorganisms as a Primal Example of the Function and Technology in Architecture**
- Speaker: Olivia Gryska, Kaunas University of Technology
- 13:20** **Investigating Unique Architecture of Palanga and Exploring Ways for its Further Development**
- Speaker: Divyaraj S. Bisen, Kaunas University of Technology. Co-author: Vidmantas Minkevičius
- 13:30** **How Architecture Affects Mental Health: an Office for Employee Psychological Well-Being**
- Speaker: Alicja Adela Jarochowska, Kaunas University of Technology
- 13:40** **Production of a Compressed Biocomposite using Wood Waste and Investigation of its Properties**
- Speaker: Guoda Stankevičienė, Kaunas University of Technology
- 13:50** **Integration of Biomimetics into Cyber-Physical Architectural Design**
- Speaker: Maria A. Gutierrez, Kaunas University of Technology. Co-author: Dmytro Oleksiienko
- 14:00** **Body of Christ Church Renewal Feasibility Study**
- Speaker: Gediminas Viliūnas, Kaunas University of Technology. Co-authors: Gintaras Prikockis, Indrė Gražulevičiūtė-Vilenišké

14:10-14:30

Coffee break



Presentations of the Conference

The chairman PhD student Shahrabani Mustafa Muthanna Najm

- 14:30** **Thermal comfort of buildings through renovation for summer and winter season**
Speaker: Gytis Malinauskas, Kaunas University of Technology
- 14:40** **Use of Waste Tyre Fibers in the Cement Systems**
Speaker: Martynas Čyžius, Kaunas University of Technology. Co-authors: Danutė Vaičiukynienė, Jūratė Mockienė
- 14:50** **Methods to Convert Municipal Solid Waste Glass to Beneficial Micro-Fiber and utilize it as a Partial of Cement in Ultra-High Performance Concrete**
Speaker: Siavash Salehi, Kaunas University of Technology. Co-author: Evaldas Šerelis
- 15:00** **Influence of Sodium Sulfate Additive on the main Properties of Gypsum**
Speaker: Ignas Ramanauskas, Kaunas University of Technology. Co-authors: Danutė Vaičiukynienė, Jūratė Mockienė
- 15:10** **The use of Plastic and Glass Waste in Construction Products**
Speaker: Audrius Jakas, Kaunas University of Technology. Co-author: Vitoldas Vaitkevičius
- 15:20** **20th Century Urban Parks: Evaluation and Actualization**
Speaker: Swetha Sekar Raja, Kaunas University of Technology

15:30-15:45 **Discussion**

15:45 **Conference Closing**



Scientific committee: Prof. dr. Andrius Jurelionis, KTU; Assoc. prof. dr. Mindaugas Augonis, KTU; Prof. dr. Mindaugas Daukšys, KTU; Prof. dr. Kęstutis Zaleckis, KTU; Dr., Ing. Paris A. Fokaides, KTU, Frederick University (Cyprus).

Organizing committee: Assoc. prof. dr. Aušra Mlinkauskienė, KTU; Assoc. prof. dr. Laura Stasiulienė, KTU; Dr. Eglė Klumbytė, KTU; Dr. Vilma Kriaučiūnaitė-Neklejonovienė, KTU; Dr. Marius Ivaškevičius, KTU; Dr. Ignacio Villalon Fornes, KTU; Viktoras Jasaitis, KTU; Gintarė Stankevičiūtė, KTU; Lina Morkūnaitė, KTU; Paulius Spūdys, KTU; Aurelija Daugėlaitė, KTU

Conference website

