



**KAUNO  
TECHNIKOS  
KOLEGIJA**

LT / 2021 balandžio 29 d. vyks tarptautinė mokslinė konferencija  
**INŽINERINĖS IR EDUKACINĖS TECHNOLOGIJOS 2021:  
AUKŠTOJO MOKSLO IR VERSLO SINERGIJA EUROPOS  
ŽALIOSIOS STRATEGIJOS KONTEKSTE**

*Konferenciją globoja Lietuvos Respublikos Aplinkos ministras Simonas Gentvilas. Kviečiame susipažinti su plenarinio posėdžio pranešėjais bei konferencijos programa.*

EN / International scientific conference  
**ENGINEERING AND EDUCATIONAL TECHNOLOGIES 2021:  
SYNERGY BETWEEN HIGHER EDUCATION AND BUSINESS IN  
THE CONTEXT OF THE EUROPEAN GREEN STRATEGY**  
takes place on 29 April 2021

*The conference is under the patronage of the Minister of Environment of the Republic of Lithuania Simonas Gentvilas. We kindly invite you to acquaint with the lecturers and the program of the conference.*

# LT / PLENARINIO POSĖDŽIO PRANEŠĖJAI

# EN / PLENARY LECTURERS

Join Zoom Meeting

<https://liedm.zoom.us/j/96293689789> / Meeting ID: 962 9368 9789

*Starts at 10AM (noon) Lithuania time (UTC+3)*



# 10:20 - 10:40

**LT / VIRGINIJUS SINKEVIČIUS**

ES Komisaras, ES Komisijos narys, atsakingas už aplinką, vandenynus ir žuvininkystę.

2017 m. - 2019 m. Ekonomikos ir inovacijų ministras.

Seimo narys 2016 m. - 2019 m.

**PRANEŠIMO TEMA: EUROPOS ŽALIASIS KURSAS – IŠŠŪKIAI IR GALIMYBĖS.**

**EN / VIRGINIJUS SINKEVIČIUS**

EU Commissioner, EU Commissioner for Environment, Oceans and Fisheries.

2017-2019. Minister of Economy and Innovation, Lithuania.

2016-2019. Member of the Parliament, Lithuania.

**TOPIC: THE EUROPEAN GREEN DEAL - CHALLENGES AND OPPORTUNITIES.**



# 10:45 - 11:10

**LT / SIMONAS GENTVILAS**

LR Aplinkos ministras.

Nuo 2020 metų iki dabar. Aplinkos ministras.

Nuo 2016 metų iki dabar. LR Seimos narys.

2016-2020 m. XII Seimo narys, Aplinkos apsaugos komitetas, pirmininko pavaduotojas.

**PRANEŠIMO TEMA: LIETUVOS INICIATYVOS ĮGYVENDINANT ŽALIAJĄ KURSA.**

**EN / SIMONAS GENTVILAS**

Minister of Environment of the Republic of Lithuania.

2020-present. Minister of Environment.

2016 - present. Member of the Seimas of the Republic of Lithuania.

2016-2020. Member of the XII Seimas, Environmental Protection Committee, Deputy Chairman.

**TOPIC: LITHUANIAN INITIATIVES IN IMPLEMENTING THE GREEN DEAL.**



# 11:15 - 11:35

## LT / GINTARAS VILDA

Lietuvos pramonininkų konfederacijos, tarptautinis inovacijų ekspertas. Inicijatyvos InterInoLT tarptautinis inovacijų ekspertas, Gamybos inovacijų slėnio direktorius, specializuojasi tarptautinė tinklaveikoje tokiuose sektoriuose kaip gamyba, robotika, fotonika, skaitmeninimas ir kt.

**PRANEŠIMO TEMA:** ŽIEDINĖ EKONOMIKA PRAMONĖJE, KAIP ŽIEDINĖ SANKRYŽA: AR PATOGU VAŽIUOTI IR KAIP ĮSUKTI?

## EN / GINTARAS VILDA

International innovation expert of the Lithuanian Confederation of Industrialists. International Innovation Expert of the Initiative InWterInoLT, Director of the Production Innovation Valley, specializes in International Networking in such sectors as manufacturing, robotics, photonics, digitization, etc.

**TOPIC:** THE CIRCULAR ECONOMY IN INDUSTRY AS A ROUNDABOUT: IS IT EASY TO DRIVE AND HOW TO TURN IN?



# **SCIENTIFIC GROUPS**



# ENGINEERING AND EDUCATIONAL TECHNOLOGIES FOR A SUSTAINABLE FUTURE: IDEAS, REALITIES, PERSPECTIVES

Moderator – Rosita Norvaišienė

Join Zoom Meeting

<https://litedm.zoom.us/j/2251700242> / Meeting ID: 225 170 0242

*Starts at 12PM (noon) Lithuania time (UTC+3)*

## ORAL PRESENTATION

**Rosita Norvaišienė (Kaunas University of Applied Engineering Sciences, Lithuania).**

MAPPING OF COMPETENCES NECESSARY FOR STUDENTS IN DESIGN AND CONSTRUCTION OF HYBRID TIMBER BUILDINGS: SURVEY RESULTS OF EMPLOYMENT MARKET REPRESENTATIVES.

**Roger Howard Taylor, Vijoleta Šulcienė (VIA University College, Denmark).**

SUSTAINABLE ENGINEERED TIMBER SYSTEMS IMPLEMENTATION IN EU HEI AND INTEGRATION INTO PROJECT BASED LEARNING METHODOLOGY.

**Luca De Marchi (University of Bologna, Italy).**

DISTANCE LEARNING IN ELECTRONICS AT THE UNIVERSITY OF BOLOGNA.

**Alberto Rodríguez-Martínez (Miguel Hernandez University, Spain).**

VIRTUAL INTERNATIONALIZATION IN ENGINEERING.

**Indrė Zalieskienė (JSC “Kelių priežiūra”, Lithuania).**

COMMITTING TO THE SUSTAINABILITY JOURNEY.

**Marius Saunoris (Kaunas University of Applied Engineering Sciences, Kaunas University of Technology, Lithuania).**

CHALLENGES AND OPPORTUNITIES FOR REMOTE TEACHING OF ELECTRICAL ENGINEERING AND ELECTRONICS.

# APPLICATION OF ENVIRONMENTALLY FRIENDLY TECHNOLOGIES AND EQUIPMENT IN MODERN CONSTRUCTION AND ROAD CONSTRUCTION SECTOR

Moderator – Daumantas Židanavičius

Join Zoom Meeting

<https://litedm.zoom.us/j/94969879512> / Meeting ID: 949 6987 9512

Starts at 12PM (noon) Lithuania time (UTC+3)

## POSTER PRESENTATION

**Jūratė Mockienė (Kaunas University of Applied Engineering Sciences, Lithuania).**  
DETERMINATION OF THE INFLUENCE OF METAL CORROSION ON STRUCTURAL PROPERTIES.

**Violeta Medelienė (Kaunas University of Applied Engineering Sciences, Lithuania).**  
RESEARCH OF EFFICIENCY OF CONSTRUCTION PLANNING SOLUTIONS.

## ORAL PRESENTATION

**Olena Lialiuk (Vinnytsia National Technical University, Ukraine).**  
MODELING OF THE SYSTEM OF ADOPTION OF STRUCTURAL TECHNICAL DECISIONS OF SELECTION OF ENERGY SAVING BUILDING COVER.

**Danguolė Juknienė, Rūta Laučienė (Klaipėda State University of Applied Sciences, Lithuania).**  
THE IMPORTANCE OF OCCUPATIONAL SAFETY AND HEALTH REQUIREMENTS IN THE PREPARATION OF THE CONSTRUCTION TECHNOLOGY CARD.

**Egle Balniūtė, Agnė Brazaitytė (Kaunas University of Applied Engineering Sciences, Lithuania).**  
LAMINATED VENEER LUMBER - DURABLE, LONG LASTING WOOD.

**Raimondas Šadzevičius, Dainius Ramukevičius (Kaunas University of Applied Engineering Sciences, Lithuania) Mariusz Żółtowski, Wojciech Sas (Warsaw University of Life Sciences, Poland)**  
TESTING THE CONCRETE SAMPLES OF IRREGULAR SHAPE.

**Raimondas Šadzevičius (Kaunas Forestry and Environmental Engineering University of Applied Sciences, Lithuania), Rytis Skominas (Vytautas Magnus University, Lithuania), Wojciech Sas, Andrzej Głuchowski (Warsaw University of Life Sciences, Poland).**  
THE COMPRESSIVE STRENGTH OF CONCRETE MADE FROM RECYCLED CONCRETE FINE AGGREGATE.

**Dainius Ramukevičius, Raimondas Šadzevičius, Vincas Gurskis (Kaunas University of Applied Engineering Sciences, Lithuania).**  
INVESTIGATIONS OF TEMPERATURE CHANGE IN LIVESTOCK BUILDING BASE.

**Audrius Čereška (Kaunas University of Applied Engineering Sciences, Lithuania).**  
EVALUATION OF THE EFFICIENCY OF GREEN ROOF TYPES.

**Vincas Gurskis (Vytautas Magnus University, Kaunas University of Applied Engineering Sciences, Lithuania).**  
HEAT LOSS THROUGH BUILDING WALLS AND WINDOWS.

**Raimondas Šadzevičius, Vaina Tomas (Vytautas Magnus University, Lithuania), Andrzej Głuchowski (Warsaw University of Life Sciences, Poland).**  
EVALUATION OF COMPRESSIVE STRENGTH OF CONCRETE FROM BRAŽUOLĖ - FIRST REMOVED DAM IN LITHUANIA.

**Artūras Ačylovas (JSC Tyrens, Sweden).**  
DIFFERENCE BETWEEN DESIGN OF ROUNDABOUTS IN SWEDEN AND LITHUANIA.

**Darius Mlečka, Ernestas Ivanauskas (Kaunas University of Technology, Lithuania).**  
THE INFLUENCE OF GRINDING DOLOMITE ON THE DURABILITY OF SELF-HEALING CONCRETE.



# GREEN INNOVATIONS IN THE FIELD OF TRANSPORT AND MECHANICAL ENGINEERING

Moderator – Andrius Dargužis

Join Zoom Meeting

<https://liedm.zoom.us/j/8126109218> / Meeting ID: 812 610 9218

Starts at 12PM (noon) Lithuania time (UTC+3)

## POSTER PRESENTATION

**Tomas Mickevičius, Marius Mažeika (Kaunas University of Applied Engineering Sciences, Lithuania).**

IMPACT OF BUTANOL–DIESEL FUEL BLENDS ON THE PERFORMANCE AND EMISSIONS OF DIESEL ENGINE.

**Rengim Özokutgen, Melih Okur (Gazi University, Turkey).**

ANALYSIS OF CONTACT MATERIAL OF SINGLE FRICTION PLATE IN CLUTCH SYSTEM.

**Artūras Kupčinskas (Kaunas University of Applied Engineering Sciences, Lithuania).**  
BIOLOGICAL OILS IN THE ENVIRONMENT.

**Rolandas Šertvytis, Donata Putnaitė (University of Applied Engineering Sciences, Lithuania), Viktors Gutakovskis (Riga Technical University, Latvia).**

POSSIBILITIES TO REPAIR METAL TURNING LATHE WAYS USING MOBILE GRINDING MACHINE.

**Jurijus Tretjakovas (VilniusTECH, Vilnius College of Technologies and Design, Lithuania).**

INFLUENCE OF THE KEYSEAT TO THE POLAR MOMENT OF INERTIA.

## ORAL PRESENTATION

**Yuriy Biks, Olga Ratushnyak (Vinnytsia National Technical University, Ukraine).**

MULTI CRITERIA ASSESSMENT OF ASSEMBLIES THERMAL PERFORMANCE.

**Rengim Özokutgen, Melih Okur (Gazi University, Turkey), İbrahim Sinan Akmandor (Pars Makina Ltd., Turkey).**

EXPERIMENTAL STUDY OF THE NOVEL HINGE VANE MICRO COMPRESSOR.

**Paulius Vitonis, Rūta Jančaitė (Kaunas University of Applied Engineering Sciences, Lithuania).**

RESERCH OF LASER INDUCED BREAKDOWN SPECTROSCOPY APPLICATION FOR SORTING AUTOMOTIVE ALUMINIUM SCRAP.

**Rūta Jančaitė (Kaunas University of Applied Engineering Sciences, Kaunas University of Technology, Lithuania), Marius Saunoris, Rasa Žygienė (Kaunas University of Applied Engineering Sciences, Lithuania).**

DESIGN AND RESEARCH OF AUTOMOTIVE IGNITION SYSTEMS DIAGNOSTIC AND REPAIR EQUIPMENT.

**Žilvinas Martišius, Rasa Žygienė (Kaunas University of Applied Engineering Sciences, Lithuania).**

CONTROL OF AERODYNAMIC ELEMENTS.

**Darius Juodvalkis, Andrius Dargužis (Kaunas University of Applied Engineering Sciences, Lithuania).**

ADAPTATION OF A PASSENGER CAR DIESEL ENGINE TO GAS FUEL.

**Jens-Stefan Müller (Junior-talents, Germany).**

EVETS: ELECTROMOBILITY AND SOFT SKILLS TRAINING WITHIN VOCATIONAL EDUCATION AND TRAINING.

# SCIENCE AND INDUSTRY INNOVATIONS IN ELECTRONICS AND ELECTRICAL ENERGY SECTOR

Moderator – Darius Kybartas

Join Zoom Meeting

<https://litedm.zoom.us/j/99640160487> / Meeting ID: 996 4016 0487

Starts at 12PM (noon) Lithuania time (UTC+3)

## POSTER PRESENTATION

**Lyudmila Taneva, Roumen Bagalev (South-West University, Blagoevgrad, Bulgaria).**

ADAPTIVE TESTING IN ELECTRONICS MANUFACTURING.

**Martinas Septilko, Egidijus Valma (Vilnius College of Technologies and Design, Lithuania).**

INVESTIGATION OF MICROCONTROLLER POSSIBILITIES USING CONVOLUTIONAL NEURAL NETWORKS.

**Ramesh Ramanaiah (Kaunas University of Technology, Lithuania), Darius Kybartas (Kaunas University of Applied Sciences, Lithuania).**

CAPACITIVE SENSING FOR HEALTH PROCESSES MONITORING.

**Arminas Gružas, Algirdas Vaitkevičius, Valdas Kimbras, Egidijus Valma (Kaunas University of Applied Sciences, Lithuania).**

ANALYSIS OF FUNCTION GENERATOR FEASIBILITY.

## ORAL PRESENTATION

**Roy Knechtel (Schmalkalden University of Applied Sciences, Germany).**

SENSORS FOR CROWD SOURCING OF WEATHER, CLIMATE AND ENVIRONMENTAL DATA.

**Filip Tsvetanov (South-West University, Blagoevgrad, Bulgaria).**

OBJECT STORAGE OF SENSOR DATA IN A CLOUD STRUCTURE.

**Peter Apostolov (South-West University Blagoevgrad, Bulgaria).**

INNOVATIONS IN THE ELECTRONICS SECTOR IN SCIENCE AND INDUSTRY.

**Tautvydas Pilelis, Kasparas Elzbutas, Šarūnė Riaukaitė (Kaunas University of Technology, Lithuania), Marius Saunoris (Kaunas University of Technology, Kaunas University of Applied Engineering Sciences, Lithuania).**

DESIGN AND INVESTIGATION OF ANIMATRONIC HAND.

**Julius Šaltanis, Artūras Aleksynas (Kaunas University of Applied Engineering Sciences, Lithuania).** EVALUATION OF THE APPLICATION OF SPECIALIZED ELECTRONIC STANDARDS.

**Gediminas Daukšys (Kaunas University of Applied Engineering Sciences, Lithuania).**

INVESTIGATION OF LOADS IN THE COMPANY'S CABLE NETWORK.

**Rasa Muleravičienė (Kaunas University of Applied Engineering Sciences, Lithuania), Jovita Danielytė (Kaunas University of Applied Sciences, Lithuania).**

EVALUATION OF SOFTWARE TO ASSIST IN LABORATORY TEACHING OF ELECTRICAL CIRCUITS.

# DEVELOPMENT OF PROFESSIONAL AND GENERAL COMPETENCIES THROUGH THE IMPLEMENTATION OF THE EUROPEAN GREEN COURSE

Moderator – Giedrė Adomavičienė

Join Zoom Meeting

<https://liedm.zoom.us/j/96172886073> / Meeting ID: 961 7288 6073

Starts at 12PM (noon) Lithuania time (UTC+3)

## POSTER PRESENTATION

**Igoris Bilienskis (Lithuanian Maritime Academy, Lithuania).**

CHALLENGES FOR THE DEVELOPMENT OF PROFESSIONAL AND GENERIC COMPETENCES OF ADULTS IN THE CONTEXT OF THE IMPLEMENTATION OF THE EUROPEAN GREEN DEAL

## ORAL PRESENTATION

**Gabrielė Ivanovaitė (Kaunas University of Applied Engineering Sciences, Lithuania).**

HUMAN RESOURCE DEVELOPMENT IN LITHUANIAN HIGHER EDUCATION COLLEGES.

**Jolita Bučelienė (Kaunas University of Applied Engineering Sciences, Lithuania).**

RESEARCH OF CORRELATION RELATIONSHIP BETWEEN ADMISISON RESULTS AND STUDENT DROP-OUT.

**Birutė Požerienė (Kaunas University of Applied Engineering Sciences, Lithuania).**

TRAINING OF CONSTRUCTION SPECIALISTS IS A REFLECTION OF THE PATH TAKEN BY HIGHER EDUCATION INSTITUTION.

**Regina Motienė (Kaunas University of Applied Engineering Sciences, Lithuania).**

OPPORTUNITIES FOR IMPROVING THE PROFESSIONAL COMPETENCIES OF UNIVERSITY TEACHERS: SHARING GOOD PRACTICES.

**Viktors Gutakovskis (Riga Technical University, Latvia), Vladimirs Gudakovskis, Esmeralda Štyps, Vytenis Naginevičius (Kaunas University of Applied Engineering Sciences, Lithuania).**

APPLICATION OF INTERACTIVE LEARNING TOOLS FOR THE DEVELOPMENT OF ENGINEERING COMPETENCIES.

**Rūta Jankūnienė, Artūras Aleksynas (Kaunas University of Applied Engineering Sciences, Lithuania).**

MARKETING OF ELECTRONICS ENGINEERING STUDIES IN LITHUANIA.

**Esmeralda Štyps, Justas Micikevičius (Kaunas University of Applied Engineering Sciences, Lithuania).**

ANALYSIS OF MOTIVATION FOR STUDIES IN THE CONTEXT OF THE COVID-19 PANDEMIC: STUDENTS' EXPERIENCE.

**Vida Palaimienė, Paulius Sabaliauskas (Kaunas University of Applied Engineering Sciences, Lithuania).**

INFLUENCE OF PSYCHOLOGICAL (ENABLING) CONDITIONS ON STUDIES IN THE CONTEXT OF COVID-19 PANDEMIC.



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