

# INNOVATIVE (ECO-) TECHNOLOGY, ENTREPRENEURSHIP AND REGIONAL DEVELOPMENT

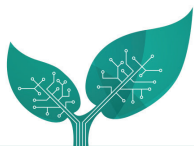
5th International Conference

## INNOVATIVE (ECO-)TECHNOLOGY, ENTREPRENEURSHIP AND REGIONAL DEVELOPMENT

March 26, 2019

(Kauno kolegija / University of Applied Sciences, Pramonės pr. 20, Conference Hall)

KAUNO  
KOLEGIJA 



# INNOVATIVE (ECO-) TECHNOLOGY, ENTREPRENEURSHIP AND REGIONAL DEVELOPMENT

5th International Conference

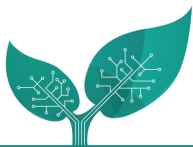
## INNOVATIVE (ECO-)TECHNOLOGY, ENTREPRENEURSHIP AND REGIONAL DEVELOPMENT

March 26, 2019

(Kauno kolegija / University of Applied Sciences, Pramonės pr. 20, Conference Hall)

### PROGRAMME

9:00-10:00	<b>REGISTRATION</b>
	<b>PLENARY SESSION</b> <i>MODERATORS – dr. Jurgita Mikašauskaitė, Martynas Pilkis</i>
10:00-10:10	<b>Welcoming Address and Opening of the Conference</b> <i>Paulius Baltrušaitis, Director of Kauno kolegija / University of Applied Sciences, Lithuania</i>
10:10-10:40	<b>Smart Development of the Region</b> <i>Prof. dr. Robertas Jucevičius, Kaunas University of Technology, Lithuania</i>
10:40-11:10	<b>Institutional Framework for Fintech Development: Why Does it Matter?</b> <i>Martynas Pilkis, Chief specialist of Financial Markets Policy Department at Ministry of Finance of the Republic of Lithuania</i>
11:10-11:40	<b>Solutions to Foster Innovations in a Region. Case of Kaunas City</b> <i>Tadas Stankevičius, Current Acting Director of Kaunas IN (Kaunas Economic Development Agency), Lithuania</i>
11:40-12:15	<b>Democratizing Knowledge - Science Shops, Knowledge Mobilization, and Broader Impacts</b> <i>Norbert Steinhaus, Coordinator of Bonn Science Shop (WILA Bonn), Germany</i>
12:15-12:30	<b>Discussions</b>
12:30-13:30	LUNCH
13:30-15:30	<b>PARALLEL SESSIONS</b>
15:30-15:45	COFFEE BREAK
15:45-16:00	<b>FINAL PLENARY SESSION</b>



# INNOVATIVE (ECO-) TECHNOLOGY, ENTREPRENEURSHIP AND REGIONAL DEVELOPMENT

## INFORMATION TECHNOLOGY IN BUSINESS

Chaired by Wilfred Tchasse  
Venue: Room 2-52, Pramonės pr. 20

13:30-13:45	<b>E-Sports: Future Trends</b> <i>Edgaras Abromavičius, Kauno kolegija / UAS, Lithuania</i>
13:45-14:00	<b>The Role of Public Administration in the Development of the Sports Market on the Example of the City of Tychy in Poland</b> <i>Dr. Krzysztof Cieślowski, AWF Katowice, Poland</i>
14:00-14:15	<b>How does Accounting Change in E-business Context?</b> <i>Erika Besusparienė, Kauno kolegija / UAS, Lithuania</i>
14:15-14:30	<b>Automation of Accounting Processes and What the Future Holds</b> <i>Gintarė Petrikauskaitė, Grant Thornton Baltic UAB</i>
14:30-14:45	<b>Contemporary Trends of Development of Banking Market in Ukraine</b> <i>Dr. Anna Zadorozhna, Ivan Franko National University of Lviv, Ukraine</i>
14:45-15:00	<b>Global Goals as Driver for Start-ups and Entrepreneurs</b> <i>Rob De With, AT Work Solutions / Sustainability in Action, Netherlands</i>
15:00-15:30	<b>Discussions</b>

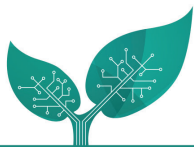


# INNOVATIVE (ECO-) TECHNOLOGY, ENTREPRENEURSHIP AND REGIONAL DEVELOPMENT

## NEW PRODUCT DEVELOPMENT: ART, DESIGN AND ENTREPRENEURSHIP

Chaired by dr. Inga Valentiniienė  
Venue: Room 407, Pramonės pr. 22A

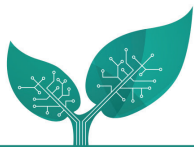
13:30-13:45	<b>Background of the Drawings: From an Idea to a Work of Art</b> <i>Peeter Krosmann, Tartu Art School, Estonia</i>
13:45-14:00	<b>Light Installation</b> <i>Vlasta Čobal Sedmak, College for Wood and Design - Wood Technology School Maribor, Slovenia</i>
14:00-14:15	<b>World Experience of Design as a Value-semantic and Socio-technological Element in Modern Culture</b> <i>Dr. Zhanerke Imanbayeva, International Educational Corporation (campus KazGASA), Kazakhstan</i>
14:15-14:30	<b>Light Installation From Wood: From Design to a Promotional Poster (poster presentation)</b> <i>Igor Hovnik, College for Wood and Design - Wood Technology School Maribor, Slovenia</i>
14:30-14:45	<b>Training of High-level Professionals for Wood and Furniture Industry</b> <i>Giedrius Pilkis, Kauno kolegija / UAS, Lithuania</i>
14:45-15:00	<b>Wooden Products: Idea, Production and Promotion. Case of the International Project Lucity</b> <i>Andreja Peserl, College for Wood and Design - Wood Technology School Maribor, Slovenia</i>
15:00-15:15	<b>Improving Product and Process Design Through Systematic Innovation Using TRIZ</b> <i>Dr. Diana Barragan-Ferrer, dr. Jesus-Manuel Barragan-Ferrer, Kauno kolegija / UAS, Lithuania</i>
15:15-15:30	<b>Artist and Entrepreneurship: How Creativity Helps in Business</b> <i>Raimonda Akulavičė, UAB Eurobiuras, Lithuania</i>



## BIOECONOMY AND MEASUREMENT ENGINEERING (session in Lithuanian)

Chaired by dr. Donatas Rekus  
Venue: Conference Hall, Pramonės pr. 20

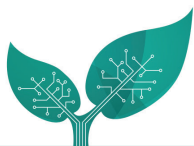
13:30-13:45	<b>Lietuvos privataus miško ūkio dabartis ir perspektyvos // Present and Perspectives of Lithuanian Private Forestry</b> <i>Dr. Algis Gaižutis, Forest Owners Association of Lithuania, Lithuania</i>
13:45-14:00	<b>Biomosės gamybos sektorių vystymosi tendencijos ir santykinė specializacija Lietuvos regionuose // Development of the Trends of Biomass Production Sectors and Relative Specialization in Lithuanian Regions</b> <i>Dr. Daiva Makutėnienė, Kauno kolegija / UAS, Lithuania; dr. Valdemaras Makutėnas, Agriculture Academy of Vytautas Magnus University, Lithuania</i>
14:00-14:15	<b>Medienos atliekų panaudojimas biokurui VĮ Valstybinių miškų urėdijos Šiaurės regioniniame padalinyje // Use of Wood Waste for Biofuel at Šiaurės Regional Branch of the State Forest Enterprise</b> <i>Sigita Karosienė, Šiaurės State College, Lithuania</i>
14:15-14:30	<b>Skaitmeninių technologijų taikymas sprendžiant nekilnojamojo daiktų kadastro duomenų nustatymo (patikslinimo) problemas // Application of Digital Technologies for Solving Problems in Identification (Revision) of Immovable Property Cadastre Data</b> <i>Aurelijus Živatkauskas, Kauno kolegija / UAS, Lithuania</i>
14:30-14:45	<b>Daugiabučių pastatų renovacijos teritoriniai ypatumai // Territorial Peculiarities of Renovation of Multi-apartment Buildings</b> <i>Gintarė Bunevičienė, Kauno kolegija / UAS, Lithuania</i>
14:45-15:00	<b>Aukščių matavimo technologijų tobulinimas geodezijoje // Improvement of Height Measurement Technologies in Geodesy</b> <i>Dr. Donatas Rekus, Kauno kolegija / UAS, Lithuania</i>
15:00-15:10	<b>Debesų technologija: Žemės stebėjimo duomenys Lietuvos teritorijai // Cloud Technology: Earth Observation Data for the Territory of Lithuania</b> <i>Ilona Urbanavičienė, Kauno kolegija / UAS, Lithuania</i>
15:10-15:20	<b>Lietuvos Respublikos teritorijos sienų raida ir teisinis reglamentavimas // Development of the Borders of the Republic of Lithuania and Legal Framework</b> <i>Valdas Urbanavičius, Kauno kolegija / UAS, Lithuania</i>
15:20-15:30	<b>Paprastosios pušies (<i>Pinus Sylvestris</i> L.) kilmės identifikavimas nuotoliniais tyrimais // Identification of Pine (<i>Pinus Sylvestris</i> L.) Origin by Remote Research</b> <i>Dr. Vytautė Juodkienė, Kauno kolegija / UAS, Lithuania</i>



## LANDSCAPE DESIGN AND GREENERY (session in Lithuanian)

Chaired by Donatas Klimavičius  
Venue: Room 2-12, Pramonės pr. 22

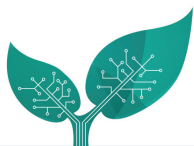
13:30-13:45	<b>Kaukazo floros augalai Lietuvos kaimo gėlynuose // Caucasian Flora Plants in Lithuanian Countryside Flower Parterres</b> <i>Dr. Vilija Snieškienė, Kaunas Botanical Garden of Vytautas Magnus University and Kauno kolegija / UASc, Lithuania; dr. Stasė Dapkūnienė, Plant Gene Bank, Ministry of Environment of the Republic of Lithuania and Botanical Garden of Vilnius University</i>
13:45-14:00	<b>Obelių veislių tyrimas integruotų metodų pagrindu // Research of Apple-tree Species on the Basis of Integrated Methods</b> <i>Donatas Klimavičius, Kauno kolegija / UAS, Lithuania</i>
14:00-14:15	<b>Traditional Old Flower Garden Plants on the Lithuanian-Polish Border (poster presentation)</b> <i>Dr. Stasė Dapkūnienė, Plant Gene Bank, Ministry of Environment of the Republic of Lithuania and Botanical Garden of Vilnius University, Lithuania; dr. Vilija Snieškienė, Kaunas Botanical Garden of Vytautas Magnus University, Lithuania</i>
14:15-14:30	<b>„Artemisia pontica“ L. introdukcija VDU Botanikos sodo, Vaistinių augalų mokslo sektoriaus ilgamečiuose lauko bandymuose // Introduction of Artemisia pontica L. in Long-term Field Experiments of Pharmaceutical Plant Science Sector of VMU Botanical Garden (poster presentation)</b> <i>Sandra Saunoriūtė, Kaunas Botanical Garden of Vytautas Magnus University, Lithuania</i>
14:30-14:45	<b>Nauji medžių ligų sukėlėjai ir kenkėjai rekreaciniuose želdiniuose // New Tree Pathogens and Pests in Recreational Greenery (poster presentation)</b> <i>Dr. Antanina Stankevičienė, Kaunas Botanical Garden of Vytautas Magnus University, Lithuania</i>
14:45-15:00	<b>Nauji dekoratyvinių augalų ligų sukėlėjai ir kenkėjai oranžerijoje // New Pathogens for Ornamental Plant Diseases and Pests in the Orangery (poster presentation)</b> <i>Dr. Antanina Stankevičienė, Kaunas Botanical Garden of Vytautas Magnus University, Lithuania</i>
15:00-15:15	<b>Naujai sodinamų želdynuose kaštonų (Aesculus spp.) būklė // State of Newly Planted Chestnuts (Aesculus spp.) in Green Areas (poster presentation)</b> <i>Dr. Antanina Stankevičienė, Kaunas Botanical Garden of Vytautas Magnus University, Lithuania</i>
15:15-15:30	<b>Kauno kolegijos Technologijų fakulteto aplinkos želdinių būklės stebėseną // Monitoring of the State of Greenery in the Faculty of Technologies of Kauno kolegija / UAS</b> <i>Irena Tulabienė, Kauno kolegija / UAS, Lithuania</i>



## AGRO-INNOVATIONS AND FOOD TECHNOLOGIES

Chaired by dr. Daiva Ribikauskienė  
Venue: Room 2-23, Pramonės pr. 22

13:30-13:45	<b>Changes in Meat Consumption Trends</b> <i>Irina Koscelkovskienė, Kauno kolegija / UAS, Lithuania</i>
13:45-14:00	<b>Pig Market Trends and Carcass Evaluation in Lithuania</b> <i>Inga Pupelienė, Kauno kolegija / UAS, Lithuania</i>
14:00-14:15	<b>Renewal of Pig Carcass Classification System</b> <i>Dr. Daiva Ribikauskienė, Kauno kolegija / UAS, Lithuania</i>
14:15-14:30	<b>Optimization of Recipe Composition of the Bakery Product of Increased Nutrition Value</b> <i>Vilija Karbauskienė, Kauno kolegija / UAS, Lithuania; Anastasiya Kuchar, Yanka Kupala State University of Grodno, Belarus</i>
14:30-14:45	<b>Non-invasive Nutritional Assessment Methods</b> <i>Dr. Natallia Bashun, Natallia Chuhai, Yanka Kupala State University of Grodno, Belarus</i>
14:45-15:00	<b>Cheese Crisps with Nigella Seeds: Consumer Perception and Cholesterol-lowering Ability</b> <i>Dr. Ernesta Trečiokienė, dr. Rasa Volskienė, Kauno kolegija / UAS, Lithuania</i>
15:00-15:15	<b>Choice of Consumers in Local Food Products: Example of Latvia and Lithuania</b> <i>Dr. Lienite Litavniece, Inese Silicka, Iveta Dembovska, Rezekne Academy of Technologies, Latvia; Nijolė Janina Vasiliauskienė, Kauno kolegija / UAS, Lithuania</i>
15:15-15:30	<b>Application of Activated Photosynthesis Technology into the Research of Nutritional Properties of the Germinated Seeds (poster presentation)</b> <i>Ina Živatkauskienė, dr. Dovilė Levickienė, Kauno kolegija / UAS, Lithuania</i>

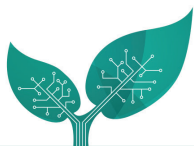


## IT IN HEALTH CARE AND SOCIAL WELL-BEING

Chaired by dr. Rasa Tamulienė  
Venue: Room 409, Pramonės pr. 22A

13:30-13:45	<b>Challenges of Civil Society Organizations and Higher Education Institutions in Community-based Research</b> <i>Dr. Gražina Strazdienė, Vilnius College of Technologies and Design, Lithuania</i>
13:45-14:00	<b>Implementation of Workplace Health and Wellness Programmes: From Theory to Practice</b> <i>Dr. Rasa Tamulienė, Kauno kolegija / UAS, Lithuania</i>
14:00-14:15	<b>Comparison of Various Data Mining Classifier Techniques to Develop Healthcare Decision-making Tools</b> <i>Dr. Jesus Manuel Barragan Ferrer, dr. Diana Barragan Ferrer, Kauno kolegija / UAS, Lithuania</i>
14:15-14:30	<b>Idea Mapping as a Measure for Health Enhancing Physical Activity (HEPA)</b> <i>Dr. Viktorija Piščalkienė, dr. Lijana Navickienė, Vaida Borkertienė, Donatas Misiūnas, Kauno kolegija / UAS, Lithuania</i>
14:30-14:45	<b>Home Care Nursing in Belgium</b> <i>Dennis Demedts, Elke Moortgat, Erasmushogeschool Brussel, Belgium</i>
14:45-15:00	<b>Results on the Implementation of Inertial Sensors in the Teaching of Manual Therapy</b> <i>Dr. Manuel Gonzalez-Sanchez, University of Malaga, Spain</i>
15:00-15:15	<b>The Most Common Complications after Knee Replacement Surgery and Relation with Pre-existing Comorbidities (poster presentation)</b> <i>Santa Mikele, Riga 1st Medical College, Latvia</i>
15:15-15:30	<b>Healthy Nutrition of People Suffering From Cardiac Disease (e-poster presentation)</b> <i>Dr. Tuğba Yardimci Gürel, Sinop University, Turkey</i>

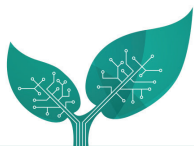




## LANGUAGE TEACHING AND COMMUNICATION TECHNOLOGIES

Chaired by Jolanta Bareikienė  
Venue: Room 403, Pramonės pr. 22A

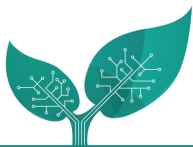
13:30-13:50	<b>Innovative Technologies in Language Teaching</b> <i>Vaida Misevičiūtė, Kauno kolegija / UAS, Lithuania</i>
13:50-14:10	<b>Lithuanian Ethnic Portrait in English: Difficulties Encountered by Translators</b> <i>dr. Rima Jasnauskaitė, Gita Obolevičiūtė, Kauno kolegija / UAS, Lithuania</i>
14:10-14:30	<b>The Use of Interactive Digital Content Platform in Language Studies</b> <i>Renata Sedlīorienė, Ieva Brazauskaitė-Zubavičienė, Kauno kolegija / UAS, Lithuania</i>
14:30-14:50	<b>A Modern Way to Learn Foreign Languages: the Most (un)Popular Mobile Language Learning Applications</b> <i>Asta Pukienė, Kauno kolegija / UAS, Lithuania</i>
14:50-15:10	<b>The Scope of the Meaning of International Words and Ways of Rendering it in Lithuanian</b> <i>Gemma Navickienė, Kauno kolegija / UAS, Lithuania</i>
15:10-15:30	<b>Discussions</b>



## IT AND FUTURE DEVELOPMENTS

Chaired by dr. Giedrius Gecevičius  
Venue: Room 406, Pramonės pr. 22A

13:30-13:45	<b>The Importance of Intelligences in Engineering Studies: Comparative Analysis (poster presentation)</b> <i>Rasa Muleravičienė, Kauno kolegija / UAS, Lithuania; Dovilė Martišienė, Kaunas Technical College, Lithuania</i>
13:45-14:00	<b>Video-based Motion Analysis in Lectures on Physics</b> <i>Skirmantė Vardauskaitė, Kauno kolegija / UAS, Lithuania</i>
14:00-14:15	<b>Drone Stadium Interactive System</b> <i>Dr. Vidmantas Rimavičius, Petras Barčkus, Kauno kolegija / UAS, Lithuania; dr. Dangis Rimkus, Kauno kolegija / UAS, Kaunas University of Technology, Lithuania</i>
14:15-14:30	<b>Unauthorized Access Point (Rogue AP) in Wireless Network Control System</b> <i>Saulius Juškevičius, Kaunas University of Technology, Lithuania; dr. Dangis Rimkus, Kauno kolegija / UAS, Kaunas University of Technology, Lithuania</i>
14:30-14:45	<b>Advanced Wind Power Prediction Based on Hybrid Approach: Case Study of Lithuania</b> <i>Dr. Giedrius Gecevičius, Kauno kolegija / UAS, Lithuania</i>
14:45-15:00	<b>Digital Workforce on the Example of the Wizlink Utility Software</b> <i>Dr. Luis Ochoa Siguencia, The Academy of Physical Education in Katowice, Poland</i>
15:00-15:30	<b>Discussions</b>



## **INFORMATION TECHNOLOGIES IN MATHEMATICS (session in Lithuanian)**

Chaired by Janina Morkūnienė  
Venue: Room 2-33, Pramonės pr. 22

13:30-13:50	<b>Programinių priemonių Mathcad, Octave naudojimo galimybės ir privalumai matematikos modulyje // Usability and Benefits of Mathcad and Octave Software in the Module of Mathematics</b> <i>Dr. Aušra Žvironienė, Kauno kolegija / UAS, Lithuania</i>
13:50-14:10	<b>Matematikos dalyko studijos Vilniaus kolegijoje studentų požiūriu // Students' Attitude Towards Studying Mathematics at Vilniaus kolegija / UAS</b> <i>Jolita Vasaitienė, Jelena Daukševič, Vilniaus kolegija / UAS, Lithuania</i>
14:10-14:30	<b>E-mokymosi proceso įgyvendinimo būdai, siekiant gerinti matematikos mokymą(si) // Techniques for Implementing E-learning Process in Order to Improve Teaching and Learning of Mathematics</b> <i>Milda Ilčiukienė, Kauno kolegija / UAS, Lithuania</i>
14:30-14:50	<b>Informacinių technologijų taikymas matematikos studijų dalyko savarankiškuose darbuose // Application of IT in the Self-study Projects of the Course in Mathematics</b> <i>Dr. Zita Baužienė, Janina Morkūnienė, Kauno kolegija / UAS, Lithuania</i>
14:50-15:10	<b>Rymano hipotezė ir milijonas dolerių // Riemann Hypothesis and a Million Dollars</b> <i>Dr. Audronė Rimkevičienė, Šiauliai State College, Lithuania</i>
15:10-15:30	<b>Discussions</b>