

4th International Conference

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

PROGRAMME

MARCH 20, 2018

KAUNAS,
LITHUANIA



PROGRAMME

March 20, 2018

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

09.00 – 10.00	REGISTRATION
	PLENARY SESSION <i>Chaired by Jurgita Mikušauskaitė, Martynas Pilkis</i>
10.00 – 10.10	Welcoming address and opening of the Conference <i>Dr. Mindaugas Misiūnas, Director of Kauno kolegija / University of Applied Sciences</i>
10.10 – 10.40	Innovation and Entrepreneurship <i>Ilja Laurs, the Chairman of Venture Capital Fund “Nextury Ventures”, entrepreneur and investor</i>
10.40 – 11.10	How can a regional city become a centre for robotics in Northern and Eastern Europe? <i>Daumantas Simėnas, project manager at Panevėžys Free Economic Zone</i>
11.10 – 11.40	Redesigning the Future Towards Sustainability <i>Audronė Alijošiūtė, sustainability expert at Baltic Environmental Forum</i>
11.40 – 12.10	Information Technologies and Data Protection <i>Prof. dr. Hamza Abbass Al-Sewadi, professor at Middle East University, Jordan</i>
12.10 – 12.30	Discussions
12.30 – 13.30	LUNCH
13.30 – 15.30	PARALLEL SESSIONS
15.30 – 15.45	COFFEE BREAK
15.45 – 16.00	FINAL SESSION

SESSION 1

SOLUTIONS FOR ENVIRONMENTAL ENGINEERING AND URBAN DEVELOPMENT

Chaired by dr. Ina Bikuvienė, dr. Donatas Rekus
Venue: Room 112, Pramonės Av. 22

13.30 – 13.45

Meeting Industry Needs in Second-Tier Cities

Dr. Krzysztof Cieslikowski (University of Physical Education in Katowice, Poland)

13.45 – 14.00

Transport System of Georgia

Dr. Boris Gitolendia (Georgian Technical University, Georgia)

14.00 – 14.15

Application of innovative solutions while forming the geodetic network

Aurelijus Živatkauskas (Kauno kolegija / University of Applied Sciences, Lithuania)

14.15 – 14.30

Real time meteorological data collection using Mobile Sensor ARRAYS. A Review.

Dr. Laimonas Kairiūkštis (Kauno kolegija / University of Applied Sciences, Lithuania)

14.30 – 14.45

The experimental study of horizontal earth-air heat exchanger for geothermal ventilation system

Dr. Olena Savchenko (Lviv Polytechnic National University, Ukraine)

14.45 – 15.00

Modelling of thermal processes in the system of solar air heating with thermal accumulator

Khrystyna Kozak (Lviv Polytechnic National University, Ukraine)

15.00 – 15.15

Assessment of the integration of hybrid RES systems into buildings

Giedrius Gecevičius (Kauno kolegija / University of Applied Sciences, Lithuania)

15.15 – 15.30

Publicity of planning documentation as a prerequisite for effective public monitoring of the development of urban systems

Yulia Moroz, dr. Liudmyla H'unco, dr. Natalia Medynska (NULES of Ukraine, Ukraine)

SESSION 2

(ECO-)INNOVATIONS, WOOD AND FURNITURE PRODUCTION

Chaired by dr. Inga Valentiniienė, Giedrius Pilkis
Venue: Room 407, Pramones Av. 22A

13.30 – 13.45

Wood as the material of the 21st century. Examples from Latvia

Dr. Uldis Spulle (Forest and Wood Product Research and Development Institute of Latvia University of Agriculture, Latvia)

13.45 – 14.00

Modern Wood Gluing Systems

Rolf Harald Ness (Dynea AS, Norway)

14.00 – 14.15

The advanced gluing technologies in the furniture production to meet the environmental and green manufacturing requirements

Giedrius Pilkis (Kauno kolegija / University of Applied Sciences, Lithuania)

14.15 – 14.30

Mechanical Behaviour of Glued Dowel Joints

Dr. Vilma Šipailaitė – Ramoškienė, Giedrius Pilkis, Inga Valentiniienė, Žygmantas Kujalavičius, Irena Poškienė, Agnė Canbulut (Kauno kolegija / University of Applied Sciences, Lithuania)

14.30 – 14.45

Innovations in Wood Particle Board Technology

Arvydas Paulionis (Ikea Industry, Lithuania)

14.45 – 15.00

Trash Design - Absurd or a Way to Harmonious Consumption?

Giedrius Bučas (Kūrybos kampas 360°, Lithuania)

15.00 – 15.15

Business Cooperation in Competitive Environment

Ričardas Matulionis (UAB Timberta, Lithuania)

15.15 – 15.30

Discussions

SESSION 3

INNOVATIVE TECHNOLOGIES IN AGRICULTURE

Chaired by dr. Romutė Mikučionienė, Tadas Venskūnas
Venue: Room 333, Pramonės Av. 22

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| 13.30 – 13.45 | Inclusive innovation at the Agora: partnerships and possibilities
<i>Dr. Vhonani Olive (University of Venda, Republic of South Africa)</i> |
| 13.45 – 14.00 | Development of sustainable aquaculture Eco-bio technologies in Asia
<i>Muhammad Naeem (University of the Punjab, Pakistan)</i> |
| 14.00 – 14.15 | The role and best practices of agricultural research in Lithuania and Italy
<i>Dr. Romutė Mikučionienė (Kauno kolegija / University of Applied Sciences, Lithuania)</i> |
| 14.15 – 14.30 | Water resource management and protection: a Bulgarian - Lithuanian approach
<i>Ina Živatkauskienė (Kauno kolegija / University of Applied Sciences, Lithuania); Ekaterina Valcheva (Agricultural University of Plovdiv, Bulgaria)</i> |
| 14.30 – 14.45 | Assessment of the impact of the environmental regulation on the business environment: positive and negative aspects
<i>Sigitas Šamanskas (Mykolas Romeris University, Kauno kolegija / University of Applied Sciences)</i> |
| 14.45 – 15.00 | Comparative assessment of pig carcass quality parameters in different periods of time
<i>Dr. Daiva Ribikauskienė, Ina Živatkauskienė, dr. Romutė Mikučionienė, Dalia Kiverienė (Kauno kolegija / University of Applied Sciences, Lithuania); Oksana Kravchenko (Poltava State Agrarian Academy, Ukraine)</i> |
| 15.00 – 15.15 | Analysis of carcass quality data in pig carcass classifying companies
<i>Irina Koscelkovskienė, dr. Daiva Ribikauskienė, Ina Živatkauskienė, Inga Pupelienė (Kauno kolegija / University of Applied Sciences, Lithuania); Oksana Kravchenko (Poltava State Agrarian Academy, Ukraine)</i> |
| 15.15 – 15.30 | Assessment of students' internships in agricultural enterprises
<i>Dalia Kiverienė, Erika Jankauskienė (Kauno kolegija / University of Applied Sciences, Lithuania)</i> |

SESSION 4

INNOVATIONS IN GREENERY (*In Lithuanian*)

Chaired by Donatas Klimavičius, Daiva Bukantiėnė
Venue: Room 410, Pramones Av. 22

13.30 – 13.45

Etnografiniai lietuviškų gėlynų augalai Punsko krašte // Ethnographic plants of Lithuanian flower beds in Punsok Region
Dr. Vilija Snieškienė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania), Stasė Dapkūnienė (Plant Gene Bank, Ministry of Environment of the Republic of Lithuania and Botanical Garden of Vilnius University), Irma Maciulevičienė (Veisiejai Regional Park), Jolanta Latvienė (Municipality of Punsok County)

13.45 – 14.00

Senieji gėlynų augalai A.Tamošiūnienės sodyboje Prienų rajone // The old flower plants in A. Tamošiūnienė's homestead in Prienai District
Dr. Stasė Dapkūnienė (Plant Gene Bank, Ministry of Environment of the Republic of Lithuania and Botanical Garden of Vilnius University), dr. Vilija Snieškienė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania), Rasa Žumbakienė (Open-Air Museum of Lithuania, Lithuania)

14.00 – 14.15

Kauno kolegijos Technologijų fakulteto Aplinkos želdinių būklės stebėseną // Monitoring of the condition of the environmental greenery of the Faculty of Technologies of Kauno kolegija
Irena Tulabienė (Kauno kolegija / University of Applied Sciences, Lithuania)

14.15 – 14.30

Narcizų veislių morfologinių ir dekoratyvinių savybių tyrimas // Research on morphological and decorative properties of Narcissus cultivars
Donatas Klimavičius (Kauno Kolegija / University of Applied Sciences, Lithuania)

14.30 – 14.45

Grybų - augalų ligų sukėlėjų pavyzdžiai Vytauto Didžiojo universiteto Kauno botanikos sodo herbariume // Examples of the pathogens of mushroom and plant diseases in the Herbarium of Kaunas Botanical Garden of Vytautas Magnus University
Dr. Antanina Stankevičienė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania)

14.45 – 14.55

Nauji ligų sukėlėjai ir kenkėjai plintantys Lietuvos miestų rekreaciniuose želdynuose // New pathogens and pests spreading in the recreational greeneries of Lithuanian cities (poster presentation)
Dr. Antanina Stankevičienė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania)

14.55 – 15.05

Ežiuolės (*Echinacea Moench.*) fitosanitarinė būklė Vytauto Didžiojo universiteto Kauno botanikos sode // The phytosanitary condition of *Echinacea Moench* in Kaunas Botanical Garden of Vytautas Magnus University (poster presentation)
Dr. Vilija Snieškienė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania)

15.05 – 15.15

Trichoderma Pers. ex Fr tyrimai Lietuvoje // Research on Trichoderma Pers. ex Fr in Lithuania (poster presentation)
Dr. Nijolė Maršalkienė, Šarūnė Savickaitė, dr. Antanina Stankevičienė (Aleksandras Stulginskis university, Lithuania)

15.15 – 15.30

Perspektyvių vaistinių, prieskoninių (aromatinių) augalų reikšmė sodo augalų sortimente // The importance of promising medical plants and (aromatic) spices in the range of garden plants (poster presentation)
Dr. Ona Ragažinskienė, Sandra Saunoriūtė, Erika Šeinauskienė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania)

SESSION 5

INNOVATIVE SOLUTIONS IN FOOD PRODUCTION AND EDUCATION OF HEALTHY NUTRITION

Chaired by dr. Vaclovas Makūnas, Jurgita Mikušauskaitė
Venue: Room 209, Pramonės Av. 22

13.30 – 13.45

Nutrition habits of Lithuanian population

Dr. Vilma Kriaučionienė (Kauno kolegija / University of Applied Sciences, Lithuania)

13.45 – 14.00

Determination of the body composition of young adults using bioimpedance analysis

Dr. Natalia Bashun (Yanka Kupala State University of Grodno, Belarus)

14.00 – 14.15

The degree of satisfaction with school food: a case study of the education institution Putrishkovsky High School

Natalia Chuhai (Yanka Kupala State University of Grodno, Belarus)

14.15 – 14.30

The prevention of cork defect in wine using advanced cork production techniques and quality control

Dr. Aušra Šimonėlienė (Kauno kolegija / University of Applied Sciences, Lithuania), Aurelijus Buivydas (Amorim & Irmaos, Lithuania – Portugal)

14.30 – 14.45

Wagyu beef cattle: characteristics, peculiarities, and health benefit

Dr. Giedra Sadauskienė (Kauno kolegija / University of Applied Sciences, Lithuania), Saulius Gabertas (UAB Euribija)

14.45 – 15.00

Nutrition Peculiarities of Olive Oil

Nijolė Vasiliauskienė (Kauno kolegija / University of Applied Sciences, Lithuania)

15.00 – 15.10

Chitin-glucan from *Aspergillus niger* as a novel food ingredient on the market

Vilija Karbauskienė (Kauno kolegija / University of Applied Sciences, Lithuania)

15.10 – 15.20

New food products for diabetics

Dr. Ingrida Kraujutienė, Rasa Volskienė (Kauno kolegija / University of Applied Sciences, Lithuania)

15.20 – 15.35

Trends of the evolution of the Engineering System to promote innovation in the food industry

Dr. Jesus Manuel Barragan Ferrer (Kauno kolegija / University of Applied Sciences, Lithuania)

15.35 – 15.45

Joduotos druskos panaudojimas patiekalų gamyboje // Use of the iodinated salt in the production of meals (poster presentation)

Dr. Aušra Steponavičienė (Kauno kolegija / University of Applied Sciences, Lithuania)

SESSION 6

SOCIAL INNOVATIONS FOR THE PROMOTION OF HEALTH CARE

Chaired by dr. Viktorija Piščalkienė, Dennis Demedts
Venue: Conference Hall, Pramonės Av. 20

13.30 – 13.45

Innovations in Health Sciences Education

Dr. Bilge Bal Ozkaptan, dr. Dilek Sagir (Sinop University, Turkey)

13.45 – 14.00

Methods of testing ideas in the project Villages on Move Baltic: experience of Finland, Estonia, Lithuania, Denmark

Dr. Viktorija Piščalkienė, Milda Gintilienė (Kauno kolegija / University of Applied Sciences, Lithuania)

14.00 – 14.15

The effects of stabilizing exercises on respiratory function: measurement, analysis and interpretation (poster presentation)

Dr. Žibuoklė Senikienė, Genovaitė Šimonienė-Kazlauskienė, Milda Gintilienė (Kauno kolegija / University of Applied Sciences, Lithuania; University of Health Sciences, Institute of Physiology and Pharmacology, Lithuania)

14.15 – 14.30

The study of the risk of back pain for the staff and students of SANKO University (poster presentation)

Zekiye Ipek Katirci Kirmaci, Hatice Adiguzel (SANKO University, Turkey)

14.30 – 14.45

Euthanasia in Belgium

Dennis Demedts (Erasmus University College Brussels, Belgium)

14.45 – 15.00

Benefits of the projects for people with Parkinson disease: experience of Kauno kolegija / University of Applied Sciences

Dr. Viktorija Piščalkienė (Kauno kolegija / University of Applied Sciences, Lithuania)

15.00 – 15.15

Student Volunteering: Reasons, Opportunities and Benefits. The Case of the Faculty of Medicine.

Dr. Eglė Stasiūnaitienė, dr. Lijana Navickienė (Kauno Kolegija / University of Applied Sciences, Lithuania)

15.15 – 15.30

Discussions

SESSION 7

INFORMATION AND COMMUNICATION TECHNOLOGIES TO EDUCATE PROFESSIONALS

Chaired by Ieva Brazauskaitė-Zubavičienė
Venue: Room 403, Pramones Av. 22A

13.30 – 13.50	Brand Marks and Translation Strategies used by Lithuanian Businesses Entering International Market <i>Gertrūda Gliožaitytė, dr. Rima Jasnauskaite (Kauno kolegija / University of Applied Sciences, Lithuania)</i>
13.50 – 14.10	The Computer Assisted Translation Environment in the European Institutions <i>Asta Pukienė (Kauno kolegija / University of Applied Sciences, Lithuania)</i>
14.10 – 14.30	Development and Use of Computer-assisted Translation Tools in the Translation Process <i>Albertas Juodeika, Jolanta Bareikienė (Kauno kolegija / University of Applied Sciences, Lithuania)</i>
14.30 – 14.50	Audiovisual Translation in the Context of Entrepreneurship <i>Dr. Ligita Judickaitė- Pašvenskienė (Kauno kolegija / University of Applied Sciences, Lithuania)</i>
14.50 – 15.10	International Internships: Challenges and Success Stories <i>Gemma Navickienė (Kauno kolegija / University of Applied Sciences, Lithuania)</i>
15.10 – 15.30	<i>Discussions</i>

SESSION 8

INFORMATION TECHNOLOGIES IN MATHEMATICS

(in Lithuanian)

Chaired by Janina Morkūnienė
Venue: Room 242, Pramonės Av. 22

13.30 – 13.45

Matematikos dalyko studijų vykdymas Kauno kolegijoje // Implementation of the studies of the course on Mathematics at Kauno kolegija

Dr. Vilma Morkūnienė (Kauno kolegija / University of Applied Sciences, Lithuania)

13.45 – 14.00

Matematikos mokymo(si) modelio kūrimo patirtis kolegijoje: poreikis nustatyti tikslus ir stebėti pažangą // The experience of developing a model of teaching / learning Mathematics in a college: the need to set goals and monitor progress

Milda Ilčiukienė (Kauno kolegija / University of Applied Sciences, Lithuania)

14.00 – 14.15

Savarankiškomis matematikos dalyko studijoms skirto laiko planavimo ypatumai aukštojoje mokykloje // The peculiarities of planning time for the self-study of Mathematics at a higher education institution

Dr. Zita Baužienė, Janina Morkūnienė (Kauno kolegija / University of Applied Sciences, Lithuania)

14.15 – 14.30

Ekonominiai sprendimai: atvejų studijos // Economic solutions: case studies

Dr. Zita Baužienė, Rita Liutkienė (Kauno kolegija / University of Applied Sciences, Lithuania);

14.30 – 14.45

Virtualių mokymosi aplinkų naudojimo Kauno kolegijos Technologijų fakultete analizė // Analysis of the use of virtual learning environments at the Faculty of Technologies of Kauno kolegija

Roma Čižienė (Kauno kolegija / University of Applied Sciences, Lithuania);

14.45 – 15.00

E-mokymo priemonės „Neapibrėžtinis ir apibrėžtinis integralai“ pristatymas // Presentation of the E-teaching handbook "Indefinite and Defined Integrals"

Janina Morkūnienė, Milda Ilčiukienė (Kauno kolegija / University of Applied Sciences, Lithuania)

15.00 – 15.30

Discussions