

3<sup>rd</sup> International Conference

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

**PROGRAMME**

APRIL 4, 2017

KAUNAS,  
LITHUANIA



# PROGRAMME

April 4, 2017

(Kauno Kolegija / University of Applied Sciences, Pramonės av. 20, Conference hall)

09.00 – 10.00	<b>REGISTRATION</b>
	<b>PLENARY SESSION</b> <i>Moderators – dr. Donatas Rekus, dr. Romutė Mikučionienė</i>
10.00 – 10.10	<b>Opening of the Conference</b> <i>Dr. Mindaugas Misiūnas, Director of Kauno Kolegija / University of Applied Sciences</i> <i>Simonas Kairys, Kaunas vice mayor</i>
10.10 – 10.40	<b>The Goals of Creation: the Fight behind Creativity and Technology</b> <i>Antonio Wolfgang Bechtle, freelance advertiser, Lithuania</i>
10.40 – 11.10	<b>Digital Health: Big Data and IoT in Healthcare</b> <i>Dr. Refael Barkan, Holon Institute of Technology, Israel</i>
11.10 – 11.40	<b>Design of Innovative Groundwater Treatment Materials for Use in Rural Households</b> <i>Dr. Wilson Mugeru Gitari, University of Venda, Republic of South Africa</i>
11.40 – 12.10	<b>International Financial Institutions: How They Can Contribute to the Transition to Clean Energy</b> <i>Prof. dr. Hilmar Þór Hilmarsson, University of Akureyri, School of Business and Science, Iceland</i>
12.10 – 12.30	<b>Discussions</b>
12.30 – 13.30	<b>LUNCH</b>
13.30 – 15.30	<b>PAPER SESSION</b>
15.30 – 15.45	<b>COFFEE BREAK</b>
15.45 – 16.00	<b>FINAL PLENARY SESSION</b>

# SECTION I

## (AGRO)TECHNOLOGICAL INNOVATIONS IN GREENERY AND ENVIRONMENTAL ENGINEERING

Moderator – Evaldas Serva  
Venue: Conference hall, Pramonės av. 20.

- 1. Monitoring of Greenery of the Technology Faculty of Kauno Kolegija**  
*Irena Tulabienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
- 2. Methodology of Micro Fungi Extraction from Rhizosphere**  
*Dr. Antanina Stankevičienė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania)*
- 3. Impact of the Rootstock B.396 on the Growth and Yield for Various Apple-tree Species**  
*Donatas Klimavičius, Nijolė Jurksaitienė, Daiva Klimavičienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
- 4. Studies of Seasonal Development and Radial Increment of White (*Morus alba L*) and Black (*Morus nigra L*) Mulberries**  
*Edita Jakubauskaitė (Botanical Garden of Vilnius University, Lithuania)*
- 5. Influence of Seedspor, Hansebac and Hanespor Active Substances on the Growth of Scots Pine Seedlings (*Pinus silvestris*) in Forest Nurseries**  
*Dr. Gerda Šilingienė, dr. Regina Vasinauskienė (Aleksandras Stulginskis University, Lithuania)*
- 6. State of Trees in Urban Greenery in the First Year After Planting**  
*Dr. Antanina Stankevičienė (Kaunas Botanical Garden of Vytautas Magnus University), Albinas Krugliakovas, (Vytautas Magnus University, Lithuania)*
- 7. State of Echinacea (*Echinacea* spp.) in Kaunas Botanical Garden of Vytautas Magnus University**  
*Dr. Vilija Snieškienė, Indrė Lukšytė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania)*
- 8. Good Practice and its Dissemination in Lithuania of Soil Testing Resources Applying the International WRB-2015 Classification**  
*Dr. Romutė Mikučionienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
- 9. Nitrogen Pollution: Application of Biotechnologies for Improvement of Drainage Water Quality**  
*Ina Živatkauskienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
- 10. Assessment of Hybrid Wind-pv System for Power Generation in Urban Areas: Lithuanian Case Study**  
*Giedrius Gecevičius (Kauno Kolegija / University of Applied Sciences, Lithuania)*

# SECTION II

## INNOVATIVE SOLUTIONS FOR LANDSCAPE ARCHITECTURE AND URBAN DEVELOPMENT

Moderator – dr. Donatas Rekus  
Venue: Room 408, Pramonės av.22A

1. **Lithuanian Folk Cosmology in Design of Peasant's Wooden Residential Houses**  
*Dr. Romualdas Misius (Kauno Kolegija / University of Applied Sciences, Lithuania)*
2. **Transformations of Rural Areas in North-Eastern Poland**  
*Dr. Marek Ogryzek, dr. Krzysztof Rząsa (University of Warmia and Mazury in Olsztyn, Poland)*
3. **Concept of Autonomous Passive House District**  
*Mateusz Ciski (University of Warmia and Mazury in Olsztyn, Poland)*
4. **Solutions to Overcome Differences in Height in Construction**  
*Inesė Kubiliūtė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
5. **World Experience of Revitalization of Post-industrial Towns**  
*Dr. Olga Sych (Ivan Franko National University of Lviv, Ukraine)*
6. **Formation and Application of Black Porous Silicon for Renewable Energy**  
*Dr. Renata Gudaitienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
7. **Large Hydro Power Plant Hydro Peaking Phenomenon**  
*Linās Šilinis (Aleksandras Stulginskis University, Lithuania)*
8. **Cork Forest and Amorim – Sustainable Development**  
*Aurelijus Buivydas (Amorim & Irmaos, Lithuania – Portugal)*
9. **Adjustment of State Forest Quarter Network and Geo-spatial Objects**  
*Aurelijus Živatkauskas (Kauno Kolegija / University of Applied Sciences, Lithuania)*
10. **Noise Analysis of Vehicle Traffic**  
*Dr. Ina Bikuvienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
11. **Territorial Planning System in Lithuania (Poster Presentation)**  
*Daiva Juknelienė, Jolanta Valčiukienė, Virginija Atkocevičienė (Aleksandras Stulginskis University, Lithuania)*

# SECTION III

## INNOVATIVE SOLUTIONS IN FOOD PRODUCTION AND EDUCATION OF HEALTHY NUTRITION

Moderator – dr. Vaclovas Makūnas  
Venue: Room 112, Pramonės av. 22

- 1. Bioethics and Technology in the 21st Century**  
*Dr. Guy Yoskovitz (Holon Institute of Technology, Israel)*
- 2. Automated System for Tea Preparation**  
*Dr. Dangis Rimkus (Kauno Kolegija / University of Applied Sciences, Lithuania)*
- 3. Innovative Technologies of Culinary (Aromatic) Plant Cultivation and Preparation of Raw Materials of Medicinal Herbs**  
*Dr. Ona Ragažinskienė (Kaunas Botanical Garden of Vytautas Magnus University, Lithuania)*
- 4. Antioxidant Compounds and Antioxidant Activity of White Mulberry Leaves**  
*Dovilė Levickienė (Kauno Kolegija / University of Applied Sciences, Aleksandras Stulginskis University, Lithuania); prof. dr. Elvyra Jarienė (Aleksandras Stulginskis University, Lithuania)*
- 5. Trends of Wine Production from Non-traditional Raw materials in Lithuania**  
*Dr. Aušra Šimonėlienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
- 6. Characteristics of the Most Popular Beef Cattle Breeds and Survey on their Meat Quality Indices**  
*Jolanta Margelienė, Aušra Budrienė, Irina Koscelkovskienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
- 7. Use of Natural Food Fibres in Nutrition**  
*Nijolė Janina Vasiliauskienė, dr. Aušra Steponavičienė (Kauno Kolegija / University of Applied Sciences, Lithuania); Lina Saldukaitė (UAB Liūtukas ir Ko, Lithuania)*
- 8. Health Promoting Nourishment Using Milk Protein Powder**  
*Edita Kurkuvienė (Kauno Kolegija / University of Applied Sciences, Lithuania); Vaida Zubraitė (Agricultural company Pienas LT, Lithuania)*
- 9. Assessment of Eating (Nutrition) Peculiarities of Higher School Students**  
*Vilija Karbauskienė (Kauno Kolegija / University of Applied Sciences, Lithuania); dr. Natallia Bashun, Natallia Chuhai (Yanka Kupala State University of Grodno, Belarus).*
- 10. Treatment Innovations for Pediatric Obesity and Overweight**  
*Dr. Rūta Petereit (Kauno Kolegija / University of Applied Sciences, Lithuania)*
- 11. Installation of Food Safety Management Systems in Public Catering**  
*Dr. Aušra Steponavičienė (Kauno Kolegija / University of Applied Sciences, Lithuania); Eglė Lukaševičienė (UAB Rukola, Lithuania)*

## SECTION IV

# INNOVATIVE TECHNOLOGIES AND ECONOMICAL GROWTH

Moderator – Giedrius Pilkis  
Venue: Room 407, Pramonės av. 22A

### **A Knowledge Management Framework for Design Thinking Process**

1. *Dr. Jesus Manuel Barragan Ferrer (Kauno Kolegija / University of Applied Sciences, Lithuania);  
dr. Guillermo Cortes-Robles (Orizaba Institute of Technology, Mexico), dr. Rene Lopez-Flores  
(Autonomous University of Yucatán, Mexico)*

### **2. Research and Development as Driver of Entrepreneurial Activity**

*Dr. Goran Avlijaš (Singidunum University, Serbia)*

### **3. To Patent or not to Patent: Which Way Forward**

*Dr. Jabulani Ray Gumbo (University of Venda, Republic of South Africa)*

### **4. Cooperation of Small, Medium (SME's) and Large Enterprises in the Context of Open Innovation**

*Prof. dr. Robert Stanislawski, Grzegorz Szymanski (Technical University of Lodz, Poland)*

### **5. Marketing Assets of the Higher Educational Institution-important Aspects of Management**

*Dr. Margarita Dancheva (MT&M College, Bulgaria)*

### **6. Eco-innovation as the Determinant of Socio-economic Development on the Example of the Swedish Economy**

*Joanna Prystrom (University of Białystok, Poland)*

### **7. The Main Sources of Innovation Funding in Poland**

*Dr. Katarzyna Wierzbicka (University of Białystok, Poland)*

### **8. Rankings and Indicators for Business Development. Case of Baltic States**

*Agita Livina (Vidzeme University of Applied Sciences, Latvia)*

### **9. Comparative Characteristics of Insurance Markets in Ukraine and Baltic Countries**

*Dr. Ivanna Myshchyshyn (Ivan Franko National University of Lviv, Ukraine)*

### **10. TNCs in Contemporary International Business**

*Dr. Andriy Pekhnyk (Lviv Ivan Franko National University, Ukraine)*

# SECTION V

## INFORMATION AND COMMUNICATION

### TECHNOLOGIES TO EDUCATE PROFESSIONALS

Moderator – dr. Viktorija Piščalkienė  
Venue: Room 406, Pramonės av. 22A

1. **Shaping of Teaching (Learning) Space in the 21<sup>st</sup> Century: Schools and Kindergartens' Environment (Poster Presentation)**  
*Dr. Jurga Kučinskienė, Vida Gerikienė (Klaipėda State University of Applied Sciences, Lithuania)*
2. **SCALE-UP Type Classroom and Educational Model**  
*Dalė Lukšaitė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
3. **Simulation of Linear Electronic Circuits Using Cloud Computing**  
*Juozas Dainauskas (Kauno Kolegija / University of Applied Sciences, Lithuania)*
4. **Research on External Characteristics of Electrical Machinery**  
*Dr. Jovita Danielytė, Rolandas Muleravičius (Kauno Kolegija / University of Applied Sciences, Lithuania); Rasa Muleravičienė (Kauno Kolegija/University of Applied Sciences, Lithuania); Technical College of Kaunas, Lithuania)*
5. **Variety of Choices in Computer Programmes for Greenery Design**  
*Jovita Jankienė (Kauno kolegija/University of Applied Sciences, Lithuania)*
6. **Career Integration: Global Practices**  
*Gemma Navickienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
7. **Alternatives in Modelling Professional Career**  
*Dr. Rima Jasnauskaitė (Kauno Kolegija / University of Applied Sciences, Lithuania)*
8. **Pedagogues' Project Activities Used to Prevent Social Problems in a School of General Education**  
*Nerijus Leikus (Kauno Kolegija / University of Applied Sciences, Lithuania)*
9. **Development of Integrated Competences Through Informal Volunteering Activity**  
*Dr. Eglė Stasiūnaitienė, dr. Lijana Navickienė (Kauno Kolegija / University of Applied Sciences, Lithuania)*