

INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE
SUSTAINABLE ENVIRONMENTAL DEVELOPMENT: INNOVATIVE TECHNOLOGIES
PROGRAMME
27 April, 2023

REGISTRATION AND WELCOME DRINKS 09:30-10:00

Higher Education Institution Klaipėdos valstybinė kolegija, Faculty of Technology (Bijūnų str. 10, Klaipėda)

or online on Ms Teams via links provided to each session

PLENARY SESSION (room 141)

Click here to join the Plenary Session

Moderator: Dr, assoc. prof. Jurga Kučinskienė

Regulations: presentation – 10 min, discussion – 5 min

Time	Presentation title	Authors
10:00	OPENING AND WELCOME SPEECH	Dr, assoc. prof. Nijole Galdikiene / Klaipedos Valstybine Kolegija (Lithuania)
10:10	OFFSHORE WIND DEVELOPMENT IN THE BALTICS	Mr Andrius Mikalauskas / RWE Offshore Wind GmbH (Lithuania)
10:25	HYDRAULIC PLANNING IN INSULAR URBAN TERRITORIES: THE CASE OF MADEIRA ISLAND - SÃO VICENTE	Dr, prof. Sérgio António Neves Lousada / Universidade da Madeira (Portugal)
10:40	REMOTE HEARINGS AND ACCESS TO JUSTICE IN ENVIRONMENTAL PROCEEDINGS	Hab. dr, prof. Agnieszka Skora / Warmia and Mazury University (Poland)
10:55	TEACHING A WORKSHOP ON SOFTWARE DEFINED RADIO	Mr Pedro Wyns / Thomasmore De Nayer (Belgium)
11:10	COMPARISON OF TRIBOLOGICAL BEHAVIOUR OF MACHINED MICRO-ARC OXIDATION (MAO) AND ANODIC HARD OXIDATION COATINGS APPLIED TO ALUMINIUM ALLOYS	Dr, assoc. prof. Karl Delbé / École Nationale d'Ingénieurs de Tarbes (France) Dr Louis Rodriguez / GIT (France)
11:25	CLOSING REMARKS	Dr, assoc. prof. Jurga Kučinskienė
11:30	BREAK and POSTER SESSION	

POSTER SESSION

Posters are inspected during the break. Please submit questions to the authors directly and / or online.

Click here to join the Poster Session

Time	Presentation title	Authors
11:30-12:30	FOOD AND WATER SUSTAINABILITY ISSUES	Mrs Nijolė Vasiliauskienė / Kauno kolegija (Lithuania)
	MONITORING OF THE PROTECTIVE EMBANKMENTS IN THE CITY OF KLAIPEDA BY LIDAR SYSTEM	Mrs Dainora Jankauskienė / Klaipėdos valstybinė kolegija (Lithuania), Latvia University of Life Sciences and Technologies (Latvia) Mrs Lina Kuklienė / Klaipėdos valstybinė kolegija (Lithuania) Mr Indrius Kuklys / Klaipėdos valstybinė kolegija (Lithuania)
	CURRENT STATE OF WETLANDS IN LITHUANIA	Mrs Giedre Ivavičiūtė / VDU, Klaipėdos valstybinė kolegija, KMAIK (Lithuania)
	ISO TOLERANCIJŲ IR SULEIDIMŲ PARINKIMO SKAITMENIZAVIMAS	Mrs Sigutė Savickienė/ Klaipėdos valstybinė kolegija (Lithuania) Mr Tytas Savickas / Klaipėdos valstybinė kolegija (Lithuania) Mrs Jūratė Vaitekoniene / Klaipėdos valstybinė kolegija (Lithuania)
	INTEGRATION OF GPT CHAT INTO EDUCATION	Mr Alihan Konkashov / Dana (Kazakhstan)

	MOLECULAR WIRES ARE A NEW STEP FOR MODERN COSMETOLOGY.	Dr Vitalijs Romanovs / International College of Cosmetology (Latvia)
	INFLUENCE OF REINFORCEMENT ON THE BENDING STRENGTH OF REINFORCED CONCRETE	Mrs Dainora Jankauskienė / Klaipėdos valstybinė kolegija (Lithuania), Latvia University of Life Sciences and Technologies (Latvia) Mr. Mantas Anužis / Klaipėdos valstybinė kolegija (Lithuania) Dr, Prof. Viktoras Doroševs / Klaipėdos valstybinė kolegija, Kauno technologijų universitetas (Lithuania) Mrs. Lina Kukliene / Klaipėdos valstybinė kolegija (Lithuania) Mr. Indrius Kuklys / Klaipėdos valstybinė kolegija (Lithuania)
	EFFECT OF BIOSTIMULATORS AND HERBICIDE ON THE CONTENT AND UPTAKE OF SELECTED MACROELEMENTS IN POTATO TUBERS	Hab. dr, assoc. prof. Iwona Mystkowska / John Paul II University of Applied Sciences in Białą Podlaska (Poland) Prof. Krystyna Zarzecka / Institute of Agriculture and Horticulture, Siedlce University of Natural Sciences and Humanities (Poland) Prof. Marek Gugala / Institute of Agriculture and Horticulture, Siedlce University of Natural Sciences and Humanities (Poland) Dr Agnieszka Ginter / Institute of Agriculture and Horticulture, Siedlce University of Natural Sciences and Humanities (Poland) Mr Łukasz Domański / Institute of Agriculture and Horticulture, Siedlce University of Natural Sciences and Humanities (Poland) Mrs Sigute Ezerskiene / Klaipėdos Valstybine Kolegija (Lithuania)

FOOD TECHNOLOGIES AND NUTRITION / PARALLEL SESSION I (room 139)

[Click here to join the Parallel Session I \(Food Technologies and Nutrition\)](#)

Moderator: Dr, assoc. prof. Viktoras Liorančas

Regulations: presentation – 10 min, discussion – 5 min

Time	Presentation title	Authors
12:30	EFFECTS OF SPINACH ON THE PHYSICOCHEMICAL, TEXTURE PROPERTIES AND SENSORY OF YOGHURT	Dr, assoc. prof. Ernesta Trečiokienė / Kauno kolegija (Lithuania)
12:45	HEALTH RELATED BEHAVIOURS AND BELIEFS TOWARDS DIETARY SUPPLEMENTS: CROSS-COUNTRY STUDY	Dr. assoc. prof Gražina Šniepienė / Klaipėdos valstybinė kolegija, Klaipėda University (Lithuania) Mrs Mary Koumbari / Cyprus College Nicosia (Cyprus) Mrs Vijolė Bradauskienė / Klaipėdos valstybinė kolegija, Kaunas University of Technology, Food Institute, (Lithuania) Mrs Rita Jankauskienė / Klaipėdos valstybinė kolegija, Klaipėda University (Lithuania) Mrs Julija Andrejeva / Klaipėdos valstybinė kolegija, Klaipėda University (Lithuania)
13:00	QUALITY ASSESSMENT OF FRUIT, VEGETABLES AND PASTILLES WITH AND WITHOUT ADDED SUGAR	Dr. Ingrida Kraujutienė / Kauno kolegija (Lithuania)
13:15	REDUCTION OF GLUTEN IMMUNOGENICITY BY DIFFERENT BIOLOGICAL TOOLS AND COMBINATIONS THEREOF IN WHEAT (TRITICUM AESTIVUM) BRAN	Mrs Vijolė Bradauskienė / Klaipėdos valstybinė kolegija, Kaunas University of Technology, Food Institute (Lithuania) Dr. Lina Vaičiulytė / Kaunas university of technology, Food Institute (Lithuania)
13:30	RESULTS OF SMALL-SCALE AQUAPONIC INSTALLATION AND DISSEMINATION IN LITHUANIA	Mr Viktoras Liorančas / Klaipėdos valstybinė kolegija (Lithuania) Dr. Prof. Ramutis Klimas / Klaipėdos valstybinė kolegija (Lithuania) Dr. Prof. Asta Klimienė / Klaipėda University (Lithuania)
13:45	SENSORY AND QUALITATIVE PROPERTIES OF THE ZERO-WASTE VEGETABLE SPREADS	Dr. assoc. prof Jurgita Mikasauskaite-Tiso / Kauno kolegija (Lithuania) Stef Lemmens / UCLL University of Applied Sciences (Belgium)

		Mrs Nijole Janina Vasiliauskiene / Kauno kolegija (Lithuania) Annemie Froyen / UCLL University of Applied Sciences (Belgium) Mrs Ingrida Kraujutiene / Kauno kolegija (Lithuania)
14:00	BENDROJO UGDYMO ĮSTAIGŲ MOKINIŲ MAITINIMO ORGANIZAVIMAS DIEGIANT "ŠVEDIŠKO STALO" PRINCIPĄ	Mrs Jūratė Derkintienė / Klaipėdos valstybinė kolegija (Lithuania)
14:15	PROGRAMOS "MITYBOS PLANAS" PANAUDOJIMAS MAISTO PRODUKTŲ SUDĖTIES ĮVERTINIMUI	Mrs Sigutė Ežerskienė / Klaipėdos valstybinė kolegija (Lithuania) Mr Gintaras Kučinskas / Klaipėdos valstybinė kolegija (Lithuania)
14:30	CLOSING REMARKS	Dr, assoc. prof. Viktoras Liorančas

ENERGY AND SUSTAINABLE ENVIRONMENT / PARALLEL SESSION II (ROOM 309)

[Click here to join the Parallel Session II \(Energy and Sustainable Environment\)](#)

Moderator: Mrs. Jelena Dikun

Regulations: presentation – 10 min, discussion – 5 min

Time	Presentation title	Authors
12:30	LHYMO: A NEW WFD-COMPLIANT MULTIMETRIC INDEX TO ASSESS LAKE HYDROMORPHOLOGY AND ITS APPLICATION TO FRENCH LAKES	Dr, assoc. prof. Alexandra Carriere / Esaip LaSalle (France)
12:45	THE POTENTIAL OF THE MICROBIAL FUEL CELLS TO BIOREMEDIATE POLLUTANTS AND CLEAN ENERGY PRODUCTION	Dr Mehri Shabani / Esaip LaSalle (France)
13:00	THE LEADING CAUSES OF CUSTOMER SATISFACTION WITH PARCEL LOCKER SERVICES - LITHUANIAN CASE	Dr, prof Rimantas Stašys / Klaipėdos valstybinė kolegija (Lithuania) Mrs Dovilė Švažė, Klaipėda University (Lithuania)
13:15	ĮŽEMINIMO VARŽŲ MATAVIMAS ŽEMOS ĮTAMPOS TINKLUOSE	Mrs Jelena Dikun / Klaipėdos valstybinė kolegija (Lithuania) Mrs Daiva Stanelytė / Lithuanian Energy Institute, Klaipėdos valstybinė kolegija (Lithuania) Mr Algimantas Andriusis / Klaipėdos valstybinė kolegija (Lithuania)
13:30	POSSIBILITIES OF USING ALTERNATIVE WATER SOURCE IN LITHUANIAN FARMS	Mrs Jurgita Babiliene / Kaunas Forestry and Environmental Engineering University of Applied Sciences (Lithuania) Dr, assoc. prof. Ernesta Liniauskienė/ Kaunas Forestry and Environmental Engineering University of Applied Sciences (Lithuania) Dr, assoc. prof. Vilda Grybauskiene / Kaunas Forestry and Environmental Engineering University of Applied Sciences (Lithuania) Mrs Gitana Vyčienė / Kaunas Forestry and Environmental Engineering University of Applied Sciences (Lithuania)
13:45	STUDY OF METHODS FOR CALCULATING THE EARTHING RESISTANCE OF VERTICAL EARTHING DEVICES	Mrs Daiva Stanelytė / Lithuanian Energy Institute, Klaipėdos valstybinė kolegija (Lithuania) Mr Algimantas Andriušis / Klaipėdos valstybinė kolegija (Lithuania) Mr Vaidas Viederis / Klaipėdos valstybinė kolegija (Lithuania)
14:00	ŽALIOSIOS KONCEPCIJOS ĮGYVENDINIMAS KLAIPĖDOS JŪRŲ UOSTE	Mrs Brigita Grauslytė / Lietuvos aukštoji jūreivystės mokykla (Lithuania) Mrs Jūratė Žukauskaitė / Lietuvos aukštoji jūreivystės mokykla (Lithuania) Mrs Audronė Žukauskaitė / Lietuvos aukštoji jūreivystės mokykla (Lithuania)
14:15	CLOSING REMARKS	Mrs Jelena Dikun

TECHNOLOGY INNOVATION / PARALLEL SESSION III (ROOM 311)

[Click here to join the Parallel Session III \(Technology Innovation\)](#)

Moderator: Dr, assoc. prof. Vytenis Sinkevičius

Regulations: presentation – 10 min, discussion – 5 min

Time	Presentation title	Authors
12:30	ASPECTS DETERMINING THE CHOICE OF A COMPUTERIZED ACCOUNTING SOFTWARE	Mrs Giedrė Balkytė / Klaipėdos valstybinė kolegija (Lithuania) Mrs Jadvyga Jurevičienė / Klaipėdos valstybinė kolegija (Lithuania)
12:45	SKAITMENINIO DVYNIŲ KŪRIMO PRAKTIKA IR NAUDA VERSLUI	Mrs Birute Rataite / Klaipėdos valstybinė kolegija (Lithuania)
13:00	ŽINIOMIS GRINDŽIAMO VEIKLOS MODELIAVIMO METODŲ ANALIZĖ	Dr, assoc. prof. Jurij Tekutov / Klaipėdos valstybinė kolegija (Lithuania)
13:15	COMPARISON OF MODELS OF THE UR5 ROBOT AS A 3D PRINTER BUILT WITH ROBODK AND ROS	Mrs Valda Šneiderienė / Klaipėdos valstybinė kolegija (Lithuania) Mrs Benita Tautavičienė / Klaipėdos valstybinė kolegija (Lithuania)
13:30	TECHNOLOGINIO PROCESO KROVOS IR TRANSPORTAVIMO SISTEMOS DARBO REŽIMŲ OPTIMIZAVIMAS	Dr, assoc. prof. Lionė Urmonienė / Klaipėdos valstybinė kolegija (Lithuania)
13:45	RESEARCH OF PENDULUM ANGLE MEASUREMENT SYSTEM APPLICATION IN HYBRID PENDULUM/BALANCING MOBILE ROBOT	Dr, assoc. prof Vytenis Sinkevičius / Klaipėdos valstybinė kolegija (Lithuania)
14:00	MUSCULOSKELETAL MODELING	Mr Martynas Ramanauskas / VilniusTECH, Klaipėdos valstybinė kolegija (Lithuania)
14:15	CLOSING REMARKS	Dr, assoc. prof. Vytenis Sinkevičius

SMART, CLEAN, COHERENT TRANSPORT / PARALLEL SESSION IV (ROOM 314)

[Click here to join the Parallel Session IV \(Smart, Clean, Coherent Transport\)](#)

Moderator: Mrs Vida Jokubynienė

Regulations: presentation – 10 min, discussion – 5 min

Time	Presentation title	Authors
12:30	METHODOLOGY FOR CREATING A LOW EMISSION ZONE AND FORECASTING THE QUANTITY OF FINE DUST PARTICLES IN THE CITY OF RUSE	Dr prof. Velizara Pencheva / University of Ruse (Bulgaria) Assoc. Prof. Asen Asenov / University of Ruse (Bulgaria)
12:45	MODELLING OF A VESSEL POWERED BY ALTERNATIVE ENERGY SOURCES - SOLAR ENERGY AND HYDROGEN	Dr, assoc. prof Asen Asenov / University of Ruse (Bulgaria) Prof. Velizara Pencheva / University of Ruse (Bulgaria)
13:00	DARNAUS JUDUMO PERSPEKTYVŲ KLAIPĖDOS MIESTE ANALIZĖ	Mrs Jūratė Liebuvienė / Klaipėdos valstybinė kolegija (Lithuania) Mrs Vida Jokubynienė / Klaipėdos valstybinė kolegija (Lithuania)
13:15	DIGITAL TECHNOLOGIES IN THE FREIGHT FORWARDER'S WORK PROCESSES	Mrs Jolanta Turbiene / Vilnius College of Technologies and Design (Lithuania) Mr Domantas Andrijauskas / "Transtira logistics" CJSC (Lithuania)
13:30	UNDERWATER SHIPS NOISE MODELING AND MEASUREMENT AT KLAIPĖDA HARBOUR	Dr, assoc. prof. Aleksas Narščius / Klaipėdos valstybinė kolegija, Klaipėda University (Lithuania) Dr Donatas Bagočius / Klaipėda University (Lithuania)
13:45	PĖSČIŲJŲ NAUDOJIMOSI ATŠVAITAIŠ KLAIPĖDOS MIESTO SANKRYŽOSE PALYGINAMOJI ANALIZĖ	Mr Saulius Tamokaitis / Klaipėdos valstybinė kolegija (Lithuania) Mr Saulius Grinkevičius / Klaipėdos valstybinė kolegija (Lithuania)
14:00	CLOSING REMARKS	Mrs Vida Jokubynienė

AN INCLUSIVE AND CREATIVE SOCIETY / PARALLEL SESSION V (ROOM 141)

[Click here to join the Parallel Session V \(An Inclusive and Creative Society\)](#)

Moderator: Dr, assoc. prof. Jurga Kučinskienė

Regulations: presentation – 10 min, discussion – 5 min

Time	Presentation title	Authors
12:30	CREATIVITY IN TEACHING POLISH TO UKRAINIAN REFUGEES	Dr. Małgorzata Karczewska / University of Zielona Góra (Poland)
12:45	EXPECTATIONS OF THE YOUNGER GENERATION REGARDING EMPLOYERS' CONCERN FOR THE ENVIRONMENT AND SUSTAINABILITY	Dr. assoc. prof Teresa Kupczyk / General Tadeusz Kościuszko Military University of Land Forces (Poland)
13:00	THE ROLE OF THE CONCEPT OF DIVERSITY AND INCLUSION IN BUILDING THE INTELLECTUAL POTENTIAL OF AN ORGANIZATION - THE PERSPECTIVE OF SMALL AND MEDIUM ENTERPRISES IN POLAND	Dr. assoc. prof Elwira Gross-Gołacka / University of Warsaw (Poland)
13:15	CHARACTERISTICS OF CAREER CHOICE RELATED TO MATERNITY LEAVE	Mrs Aiste Lastauskaite / Kauno kolegija (Lithuania)
13:30	THE EFFECT OF A SPECIALIZED INTELLIGENT RELAXATION SYSTEM ON THE PHYSICAL AND PSYCHOEMOTIONAL STATE OF CHILDREN WITH THE AUTISM SPECTRUM DISORDER	Dr. assoc. prof Laura Žalienė / Klaipėdos valstybinė kolegija, Klaipėda University (Lithuania) Dr. Eugenijus Mačerauskas / Vilniaus valstybinė kolegija (Lithuania) Mrs Viktorija Mizgerienė / UAB NP5 (Lithuania) Dr. Miglė Dovydaitienė / VŠĮ Santaros plėtra (Lithuania) Mr Matas Rupeikis / Klaipėda University (Lithuania)
13:45	THE EFFECT OF PHYSICAL ACTIVITY ON THE PHYSICAL AND FUNCTIONAL STATUS OF ADULTS WITH MENTAL DISABILITIES	Dr, assoc. prof. Laura Žalienė / Klaipėdos valstybinė kolegija, Klaipėda University (Lithuania) Mrs Vitalija Valionytė, Mr Dalius Bartauskas, Mrs Viktorija Preikšaitė / Klaipėda university (Lithuania) Mrs Irina Arup /Klaipėdos valstybinė kolegija (Lithuania) Mrs Monika Kibildaitė / UAB "Mano šeimos gydytojas" (Lithuania)
14:00	CLOSING REMARKS	Dr, assoc. prof. Jurga Kučinskienė