



CONFERENCE PROGRAM

12th International Conference of Young Scientists on Energy Issues

CYSENI-2015

27-28 May 2015

**The Conference is held at the
Lithuanian Energy Institute
Breslaujos str. 3, Kaunas, Lithuania**

The 12th International Conference of Young Scientists on Energy Issues

May 27, 2015

Main Hall

Registration

8.30-9.00

Morning session:

Main Hall

Chair: DR. VIKTORIJA BOBINAITĖ/
DR. DIANA MEILUTYTĖ-LUKAUSKIENĖ

9.00-9.30	Welcome speech Director of Lithuanian Energy Institute Dr. Sigitas Rimkevičius Minister of Energy of the Republic of Lithuania Mr. Rokas Masiulis Chair of Energy Commission, Seimas of the Republic of Lithuania Mr. Kęstutis Daukšys Organiser of the conference Dr. Viktorija Bobinaitė
9.30-9.50	Dr. Philippe Shild (European Commission) THE ENERGY DIMENSION IN EU
9.50-10.10	Dr. Gunta Šlihta (Institute of Physical Energetics, Latvia) ROLE OF ENERGY RESEARCH IN EU
10.10-10.30	Mr. Marek Muiste (Tartu Regional Energy Agency, Estonia) IMPLEMENTING EUROPEAN ENERGY AND CLIMATE POLICY ON LOCAL LEVEL
10.30-10.50	Dr. Giacomo Grasso (Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Italy) NUCLEAR RESEARCH IN AN EVOLVING ENERGY SCENARIO

Coffee break

10.50-11.40

Parallel sessions (A, B, C):

A section (Main Hall)

Renewable energy sources

Chair: DR. VIKTORIJA BOBINAITĖ

11.40-12.00	<u>Julius Paškevičius</u> (Vytautas Magnus University) NATIONAL RENEWABLE ENERGY SUPPORT SCHEMES IN THE EU LEGAL FRAMEWORK <i>Official reviewer: Dr. Inga Konstantinavičiūtė (Lithuanian Energy Institute)</i>
12.00-12.20	<u>Lina Pocienė, Vita Tilvikienė, Sigita Lazauskas, Žydrė Kadžiulienė</u> (Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry) BIOMASS QUALITY OF TALL FESCUE GRASS UNDER DIFFERENT FERTILIZATION AND IN-FIELD LEACHING SYSTEMS <i>Official reviewer: Dr. Eugenija Farida Dzenajavičienė (Lithuanian Energy Institute)</i>
12.20-12.40	<u>Rolandas Paulauskas, Algis Džiugys, Nerijus Striūgas</u> (Lithuanian Energy Institute) EXPERIMENTAL RESEARCH ON SWELLING AND SHRINKING OF WOOD AND STRAW PELLETS DURING PYROLYSIS <i>Official reviewer: Dr. Linas Miknius (Kaunas University of Technology)</i>
12.40-13.00	<u>Andrejs Snegirjovs, Paul Gantenbein, Matthias Rommel</u> (University of Applied Sciences), <u>Peteris Shipkovs</u> (Institute of Physical Energetics) KEY MODEL OF PV SOLAR COOLING <i>Official reviewer: Dr. Rolandas Jonynas (Kaunas University of Technology)</i>

B section (AK-202)

Investigations in the fields of thermal physics, fluid mechanics and metrology

Chair: DR. ANTON BRIN

11.40-12.00	<u>Anton Brin, Yauheniya Belaya</u> (A. V. Luikov Heat and Mass Transfer Institute, National Academy of Sciences of Belarus) BINARY VAPOR CONDENSATION ON THE WETTABLE NANOPARTICLES <i>Official reviewer: Dr. Marijus Šeporaitis (Lithuanian Energy Institute)</i>
12.00-12.20	<u>Rafal Andrzejczyk, Tomasz Muszyński</u> (Gdansk University of Technology) AN EXPERIMENTAL STUDY ON THE PERFORMANCE OF THE AIR SOURCE HEAT PUMP WATER IN CENTRAL EUROPE'S WORKING CONDITIONS <i>Official reviewer: Dr. Jūratė Karbauskaitė (Kaunas University of Technology)</i>
12.20-12.40	<u>Mindaugas Drūlia</u> (Lithuanian Energy Institute) THE INFLUENCE OF UNIQUE WATER PHYSICAL PROPERTIES ON THE CALCULATION OF WATER-VAPOR INTERFACE CONDENSATION <i>Official reviewer: Dr. Arvydas Adomavičius (Kaunas University of Technology)</i>
12.40-13.00	<u>Tomasz Muszyński, Rafał Andrzejczyk</u> (Gdansk University of Technology) TWO PHASE THERMOSIPHON TO UTILIZE GROUND HEAT IN DOMESTIC BUILDING APPLICATIONS <i>Official reviewer: Dr. Violeta Misevičiūtė (Vilnius Gediminas Technical University)</i>

C section (Library) Hydrogen and fuel cells Fusion energy Chair: MARIUS URBONAVIČIUS	
11.40-12.00	<u>Marius Urbonavičius, Darius Milčius (Lithuanian Energy Institute)</u> REACTION BETWEEN PLASMA ACTIVATED ALUMINUM POWDER AND WATER UNDER VARIOUS CONDITIONS <i>Official reviewer: Dr. Vytautas Stankus (Kaunas University of Technology)</i>
12.00-12.20	<u>Dalius Girdzevičius, Simona Tučkutė, Darius Milčius (Lithuanian Energy Institute)</u> IN-SITU LOW TEMPERATURE PLASMA HYDROGENATION OF PURE Mg THIN FILMS <i>Official reviewer: Dr. Aleksandras Iljinas (Kaunas University of Technology)</i>
12.20-12.40	<u>Dovile Gimzauskaite (Vytautas Magnus University), Liudas Pranevicius (Lithuanian Energy Institute)</u> PHASE-STRUCTURAL TRANSFORMATIONS AND ELEMENTAL COMPOSITION ANALYSIS IN THE TiO_x FILMS EXPOSED IN WATER VAPOUR PLASMA <i>Official reviewer: Dr. Liutauras Marcinauskas (Lithuanian Energy Institute)</i>
12.40-13.00	<u>Tomas Iešmantas, Robertas Alzbutas (Lithuanian Energy Institute)</u> ADJUSTMENT FACTORS IN BAYESIAN RELIABILITY ASSESSMENT FOR DEMO FUSION TECHNOLOGY <i>Official reviewer: Dr. Narimantas Listopadskis (Kaunas University of Technology)</i>

Lunch time
13.00-14.00

A section (Main Hall) Renewable energy sources Chair: DR. VIKTORIJA BOBINAITĖ	
14.00-14.20	<u>Gabija Kondrataviciene (Lithuanian Energy Institute)</u> PECULIARITIES OF SMALL SCALE WIND TURBINES USE IN URBAN AREAS <i>Official reviewer: Dr. Antanas Kavolynas (Aleksandras Stulginskis University)</i>
14.20-14.40	<u>Donatas Sankauskas, Vladislovas Katinas (Lithuanian Energy Institute)</u> INVESTIGATIONS OF NOISE GENERATED BY SMALL WIND POWER PLANTS <i>Official reviewer: Dr. Gediminas Vasiliauskas (Aleksandras Stulginskis University)</i>
14.40-15.00	<u>Giedrius Gecevicius, Mantas Marciukaitis (Lithuanian Energy Institute)</u> INVESTIGATION OF WIND SPEED FORECASTS ERRORS FOR WIND POWER GENERATION <i>Official reviewer: Dr. Tomas Deveikis (Kaunas University of Technology)</i>

15.00-15.20	<u>Marius Praspaliauskas</u>, Nerijus Pedišius (Lithuanian Energy Institute), Audrius Gradeckas (Institute of Forestry, Lithuanian Research Centre for Agriculture and Forestry) HEAVY METALS CONCENTRATION IN STEMWOOD OF ENERGETIC TREES FERTILIZED WITH SEWAGE SLUDGE <i>Official reviewer: Dr. Iveta Varnagirytė-Kabašinskienė (Lithuanian Research Centre for Agriculture and Forestry)</i>
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B section (AK-202) Materials sciences and technology Chair: ŠARŪNAS VARNAGIRIS	
14.00-14.20	<u>Aleksandra Kiyanitsa</u>, Sergey Gaidukov, Inguss Blaudums (Riga Technical University) LITHIUM SALT CONCENTRATION EFFECT ON ELECTRICAL RESESTIVITY AND THERMAL PROPERTIES OF POLYETHYLENE OXIDE COMPOSITE POLYMER ELECTROLYTE <i>Official reviewer: Dr. Regina Kalpokaitė-Dičkuvienė (Lithuanian Energy Institute)</i>
14.20-14.40	<u>Šarūnas Varnagiris</u>, Darius Milčius (Lithuanian Energy Institute), Edgaras Brazys (Vytautas Magnus University) FORMATION OF SiO₂ LAYER ON THE SURFACE OF EXPANDED POLYSTYRENE FOAM <i>Official reviewer: Dr. Giedrius Laukaitis (Kaunas University of Technology)</i>
14.40-15.00	<u>Dmitry Solovei</u>, Sergey Filatov, Evgeny Batirev, Georgy Kuczynski (A.V. Luikov Heat and Mass Transfer Institute NAS Belarus) HIGH SURFACE ELECTRODE FOR ELECTROCHEMICAL ENERGY STORAGE DEVICES BASED ON NANOPOROUS TIN OXIDE <i>Official reviewer: Dr. Žydrūnas Kavaliauskas (Lithuanian Energy Institute)</i>
15.00-15.20	<u>Lyudmyla Shyyko</u>, Volodymyr Kotsyubynsky, Ivan Budzulyak (Vasyl Stefanyk Precarpathian National University) HYDROTHERMAL SYNTHESIS OF MOLYBDENUM DISULFIDE / MESOPOROUS CARBON NANOCOMPOSITE <i>Official reviewer: Dr. Liutauras Marcinauskas (Lithuanian Energy Institute)</i>

C section (Library) Nuclear fission and radiation protection Chair: VYTENIS BARKAUSKAS	
14.00-14.20	<u>Vytenis Barkauskas</u> (Centre for Physical Sciences and Technology) BURN-UP CREDIT APPROACH FOR CRITICALITY ASSESSMENT OF NEW RBMK-1500 SPENT NUCLEAR FUEL STORAGE CASK <i>Official reviewer: Dr. Artūras Šmaižys (Lithuanian Energy Institute)</i>
14.20-14.40	<u>Andrius Tidikas</u> (Lithuanian Energy Institute) INVESTIGATION OF DEMO STRUCTURAL MATERIAL CHARACTERISTICS INDUCED BY NEUTRON IRRADIATION <i>Official reviewer: Dr. Diana Adlienė (Kaunas University of Technology)</i>

14.40-15.00	Oleksandra Slepchenko, Volodymyr Bogorad, <u>Yurii Kyrylenko</u> (State Scientific and Technical Center for Nuclear and Radiation Safety) EVALUATION OF RADIATION CONSEQUENCES OF RELEASES IN ACCIDENTS WITH SPILLS OF LIQUID RADIOACTIVE MATERIALS IN AREAS WITH FORCED VENTILATION <i>Official reviewer: Dr. Audrius Šimonis (Lithuanian Energy Institute)</i>
15.00-15.20	Otman Jai, Ottman Elhajjaji, Jaouad Tajmouati (Sidi Mohamed Ben Abdellah University), Alain Hebert (Nuclear Engineering Institute) VALIDATION OF CODES DRAGON4 AND DONJON4 BY CALCULATING K_{EFF} OF A SLOWPOKE-2 REACTOR <i>Official reviewer: Dr. Raimondas Pabarčius (Lithuanian Energy Institute)</i>

Coffee break
15.20-15.40

A section (Main Hall) Energy efficiency and reliability Nuclear fission and radiation protection Chair: DR. VIKTORIJA BOBINAITĖ	
15.40-16.00	<u>Kristína Zakuciová</u> (Research Centre Rez; University of Chemistry and Technology Prague), Vladimír Kočí (University of Chemistry and Technology Prague) OVERVIEW OF LIFE CYCLE ASSESSMENT METHOD IN NUCLEAR ENERGY FIELD <i>Official reviewer: Dr. Tadas Kaliatka (Lithuanian Energy Institute)</i>
16.00-16.20	<u>Svitlana Alyokhina</u> (A. M. Pidgorny Institute for Mechanical Engineering Problems of the National Academy of Sciences of Ukraine, V. N. Karazin Kharkiv National University) DEFINITION OF THERMAL STATE OF SPENT NUCLEAR FUEL ASSEMBLY AT DRY STORAGE <i>Official reviewer: Dr. Aurimas Tonkūnas (Lithuanian Energy Institute)</i>
16.20-16.40	<u>Giacomo Grasso</u> (Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)) ENVISIONING A SUSTAINABLE FUTURE FOR EUROPE: THE LEAD FAST REACTOR AND THE ALFRED PROJECT <i>Official reviewer: Dr. Egidijus Urbonavičius (Lithuanian Energy Institute)</i>
16.40-17.00	<u>Antanas Šutas</u>, Virginijus Vileiniškis (Lithuanian Energy Institute) UNCERTAINTY ANALYSIS OF SEVERE ACCIDENT IN THE SPENT FUEL POOL <i>Official reviewer: Dr. Grigorijus Duškesas (Center for Physical Sciences and Technology)</i>
17.00-17.20	<u>Tinatin Mshvidobadze</u> (Gori State Teaching University) COMPUTER PROGRAMS AND MATHEMATICAL MODELS IN ENERGETIC POWER SYSTEM DEVELOPMENT <i>Official reviewer: Dr. Robertas Alzbutas (Lithuanian Energy Institute)</i>

B section (AK-202)

Investigations of combustion and plasma processes

Chair: DR. VASILI SAUCHYN

15.40-16.00	<u>Vasili Sauchyn</u>, Aliaxandr Lozhachnik, Hryhory Dalholenka, Dzmitry Skamarokhau (A. V. Luikov Heat and Mass Transfer Institute) PLASMA METHOD FOR MINERAL AND GLASS FIBERS PRODUCTION <i>Official reviewer: Dr. Mindaugas Milieška (Lithuanian Energy Institute)</i>
16.00-16.20	<u>Vytautas Astašauskas</u> (Kaunas University of Technology), Viktorija Grigaitienė, Romualdas Kėželis, Mindaugas Milieška (Lithuanian Energy Institute) EXPERIMENTAL INVESTIGATION OF CATALYTIC FIBRES PRODUCED BY PLASMA SPRAYING METHOD <i>Official reviewer: Dr. Darius Milčius (Lithuanian Energy Institute)</i>
16.20-16.40	<u>Aliaksandr Lozhachnik</u>, Vasili Sauchyn, Hryhory Dalholenka (A. V. Luikov Heat and Mass Transfer Institute) INVESTIGATION OF RUBBER WASTE PROCESSING IN SCREW REACTOR <i>Official reviewer: Dr. Linas Miknius (Kaunas University of Technology)</i>
16.40-17.00	<u>Anastasiya Makhnach</u> (A. V. Luikov Heat and Mass Transfer Institute) SPEED MEASUREMENTS OF MACRO PARTICLES LAUNCHED BY MAGNETOPLASMA ACCELERATOR <i>Official reviewer: Dr. Viktorija Grigaitienė (Lithuanian Energy Institute)</i>
17.00-17.20	Vladimir Leschevich, Oleg Penayzkov, <u>Sergey Shimchenko</u> (Heat and Mass Transfer Institute) FLOW VISUALIZATION IN A TEST CHAMBER OF RAPID COMPRESSION MACHINE BY OBSERVATION OF BURNING PARTICLES DISPLACEMENT <i>Official reviewer: Dr. Viktorija Grigaitienė (Lithuanian Energy Institute)</i>

C section (Library)

Cross-cutting energy issues

Knowledge for energy policy making

Chair: DR. ALEKSANDRS LVOVS

15.40-16.00	<u>Aris Auzans</u>, Allan Teder, Alan Henry Tkaczyk (University of Tartu) NUCLEAR FUEL DEMAND EFFECT ON THE FRONT-END URANIUM MARKET <i>Official reviewer: Dr. Dalius Tarvydas (Lithuanian Energy Institute)</i>
16.00-16.20	<u>Aleksandrs Lvovs</u> (Institute of Physical Energetics) THE ENTSO-E CENTRAL INFORMATION TRANSPARENCY PLATFORM (REGULATION (EU) NO. 543/2013). MILESTONE FOR THE IMPLEMENTATION OF THE EU INTERNAL ENERGY MARKET <i>Official reviewer: Dr. Dalius Tarvydas (Lithuanian Energy Institute)</i>
16.20-16.40	<u>Ernesta Grigonytė</u> (Lithuanian Energy Institute) METHODOLOGICAL AND PRACTICAL ASPECTS OF THE ADEQUACY ASSESSMENT METHODOLOGY FOR ENTSO-E SYSTEMS <i>Official reviewer: Dr. Audrius Jonaitis (Kaunas University of Technology)</i>

16.40-17.00	<u>Anna Ewa Lutynska</u> (Vytautas Magnus University) REVIEW OF METHODS FOR MEASURING SUSTAINABLE DEVELOPMENT <i>Official reviewer: Dr. Eugenija Farida Dzenajavičienė (Lithuanian Energy Institute)</i>
17.00-17.20	<u>Carl Palmén</u>, Semida Silveira, Dilip Khatiwada (Division of Energy and Climate Studies, Royal Institute of Technology (KTH)) WILL IMPROVED PALM OIL YIELDS SUFFICE TO THE DEVELOPMENT OF SUSTAINABLE BIODIESEL FEEDSTOCK IN INDONESIA? <i>Official reviewer: Dr. Juozas Savickas (Lithuanian Energy Institute)</i>

Conference dinner (canteen)

From 18.00

The 12th International Conference of Young Scientists on Energy Issues

May 28, 2015

Main Hall

Registration

8.30-9.00

Parallel sessions (A, B):

A section (Main Hall)

Renewable energy sources

Global change and ecosystems

Chair: DR. VIKTORIJA BOBINAITĖ

9.00-9.20

Vytis Varanavičius (Lithuanian Energy Institute)

GREEN OFFICES: COST SAVING AND ENVIRONMENTAL BENEFIT

Official reviewer: Dr. Inga Stasiulaitienė (Kaunas University of Technology)

9.20-9.40

Lina Murauskaitė (Lithuanian Energy Institute)

COHERENT POLICY OF RENEWABLE ENERGY SOURCES SUPPORT IN LITHUANIAN DISTRICT HEATING SECTOR

Abstract (PDF)

Official reviewer: Dr. Saulė Milčiuvienė (Vytautas Magnus University)

9.40-10.00

Ilona Alisauskaite-Seskiene (Lithuanian Energy Institute)

BARRIERS AND MARKET FAILURES THAT INFLUENCE THE DEVELOPMENT OF RENEWABLE ENERGY SOURCES

Official reviewer: Dr. Habil. Vytautas Juščius (Klaipėda University)

10.00-10.20

Modestas Krečius (Lithuanian Energy Institute)

SUPPORT MEASURES FOR RENEWABLE ENERGY ASSESSING THE DEVELOPMENT EFFECTIVENESS

Official reviewer: Dr. Saulė Milčiuvienė (Vytautas Magnus University)

10.20-10.40

Vytautas Akstinas (Lithuanian Energy Institute)

REVIEW OF HYDROLOGICAL EXTREMES RESEARCH IN LITHUANIAN RIVERS

B section (AK-202) Investigations in the fields of thermal physics, fluid mechanics and metrology Materials sciences and technology Chair: KRISTINE MEILE	
9.00-9.20	<u>Guntars Frīdenbergs, A. Lešinskis (Riga Technical University)</u> EXPERIMENTAL STAND DEVICE MODELING FOR IEAC THERMAL PERFORMANCE STUDY <i>Official reviewer: Dr. Giedrė Streckienė (Vilnius Gediminas Technical University)</i>
9.20-9.40	<u>Edgaras Misiulis, Algis Džiugys (Lithuanian Energy Institute)</u> NUMERICAL STUDY OF TIME DEPENDENT BLOOD FLOW IN OPHTHALMIC ARTERY WITH APPLIED EXTERNAL PRESSURE <i>Official reviewer: Dr. Algirdas Maknickas (Vilnius Gediminas Technical University)</i>
9.40-10.00	<u>Kristine Meile, Aivars Zhurinsh (Latvian State Institute of Wood Chemistry)</u> ASPECTS OF INCORPORATING THE PRUDUCTION OF LEVOGLUCOSAN INTO A WOOD-BASED BIOREFINERY <i>Official reviewer: Dr. Regina Kalpokaitė-Dičkuvienė (Lithuanian Energy Institute)</i>
10.00-10.20	<u>Andrius Gediminskas (Lithuanian Energy Institute)</u> REVIEW OF CONDENSATION MODELLING IN VERTICAL CHANNELS
10.20-10.40	<u>Bemgba Bevan Nyakuma, Arshad Ahmad, Anwar Johari, Tuan Amran Tuan Abdullah, Olagoke Oladokun, Aliyu Bello, Habib Alkali, Saeed Isa Ahmed (Institute of Hydrogen Economy, Universiti Teknologi Malaysia)</u> KINETIC ANALYSIS OF OIL PALM EMPTY FRUIT BUNCH (OPEFB) PELLETS AS A FEEDSTOCK FOR PYROLYSIS <i>Official reviewer: Dr. Nerijus Striūgas (Lithuanian Energy Institute)</i>

Coffee break
10.40-11.00

A section (Main Hall) Energy efficiency and reliability Chair: DR. VIKTORIJA BOBINAITĖ	
11.00-11.20	<u>Agne Toleikyte, Lukas Kranzl, Andreas Müller (Vienna University of Technology)</u> ACHIEVING ENERGY EFFICIENCY IN THE BUILDING SECTOR IN SELECTED CEE COUNTRIES: POLICY BASED ENERGY DEMAND SCENARIOS UNTIL 2030 <i>Official reviewer: Dr. Romualdas Škėma (Lithuanian Energy Institute)</i>
11.20-11.40	<u>Galyna Venzhego, Tord af Klintberg, Folke Björk (Royal Institute of Technology)</u> USE OF ENERGY SOURCES IN RESIDENTIAL SECTOR IN THE DEVELOPING COUNTRIES OF CENTRAL EU AND SWEDEN <i>Official reviewer: Dr. Habil. Vaclovas Miškinis (Lithuanian Energy Institute)</i>

11.40-12.00	<u>Romanas Savickas</u> (Vilnius Gediminas technical university), Lauryna Savickiene, Mantas Paulauskas (Lithuanian heat supply association) ENERGY EFFICIENCY MEANS ACCORDING TO ENERGY EFFICIENCY 2012/27/EU DIRECTIVE TO DECREASE ENERGY CONSUMPTION FOR A FINAL CONSUMER <i>Official reviewer: Dr. Ramūnas Gatautis (Lithuanian Energy Institute)</i>
12.00-12.20	<u>Galyna Venzhego</u> (Royal Institute of Technology) COMPREHENSIVE APPROACH TO THE EVALUATION OF THERMAL INSULATION PROPERTIES OF THE VENTILATED FACADES <i>Official reviewer: Dr. Aurimas Lisauskas (Lithuanian Energy Institute)</i>

B section (AK-202) Smart energy networks Energy efficiency and reliability Chair: DARIUS LAURINAVIČIUS	
11.00-11.20	<u>Gints Poiss</u> (Riga Technical University) DEVELOPMENT OF A RISK MATRIX CONSIDERING SPECIFIC FEATURES OF THE POWER TRANSFORMER PARK OF LATVIA <i>Official reviewer: Dr. Linas Martišauskas (Lithuanian Energy Institute)</i>
11.20-11.40	Tomasz Muszyński, Rafał Andrzejczyk, <u>Przemysław Kozak</u> (Gdansk University of Technology) HEAT TRANSFER ENHANCEMENT IN SHELL-AND-COIL HEAT EXCHANGER <i>Official reviewer: Dr. Robertas Poškas (Lithuanian Energy Institute)</i>
11.40-12.00	<u>Aleksejs Prozuments, Aleksandrs Zajacs</u> (Riga Technical University) AIR FLOWRATE AND TEMPERATURE CONSIDERATIONS FOR EFFICIENT WARM AIR SUPPLY INTO SINGLE OFFICE ROOM <i>Official reviewer: Dr. Vaclovas Kveselis (Lithuanian Energy Institute)</i>
12.00-12.20	<u>Alexey Samolysov, Saveliy Kaplunov, Natalia Valles, Olga Marchevskaya, Elena Dronova</u> (IMASH RAS) CRITICAL FLOW VELOCITY DETERMINATION FOR TUBE-BUNDLE WITH APPLICATION OF NUMERICAL EXPERIMENT METHOD <i>Official reviewer: Dr. Robertas Navakas (Lithuanian Energy Institute)</i>
12.20-12.40	<u>Vilnis Jurkans, Juris Blums</u> (Riga Technical University) IMPROVED THERMO-ELECTRICAL ANALOGY MODEL FOR PELTIER ELEMENTS <i>Official reviewer: Dr. Žilvinas Nakutis (Kaunas University of Technology)</i>

Coffee break
12.40-13.00

Main Hall Closure of the Conference, final discussion 13.00-14.00
