



DAY 1

SECTION A (23th May, 2019)

KEYNOTE SESSION

Section A0 (Main Hall)

Chairman: dr. Vytautas Akstinas

- 8.00-9.00 Registration
- 9.00-9.15 **Dr. Sigitas Rimkevičius (Lithuanian Energy Institute, Lithuania)**
WELCOME
- 9.15-9.30 **Tadas Stankevičius (Public Enterprise "Kaunas IN", Lithuania)**
WELCOME TO KAUNAS!
- 9.30-10.00 **Dr. Christopher S. Kulander (South Texas College of Law Houston – Harry L. Reed Oil & Gas Law Institute, USA)**
SHALE GAS AND LNG IN THE USA – LESSONS FOR EUROPE
- 10.00-10.30 **Dr. Marco Binotti (Politecnico di Milano, Italy)**
CONCENTRATING SOLAR POWER: RENEWABLE AND DISPATCHABLE ENERGY FOR THE FUTURE
- 10.30-10.40 **Dr. Jolita Buzaitytė-Kašalynienė (Vydūnas Youth Fund representative in Lithuania)**
AWARDS OF ROMAS VISKANTAS PRIZES FOR SCIENTIFIC ACHIEVEMENTS

10.40-11.40 Coffee break

1. RENEWABLE ENERGY SOURCES

2. ENERGY EFFICIENCY AND RELIABILITY

Section A1 (Main hall)

Chairman: dr. Vytautas Akstinas

- 11.40-12.00 **A. Albatayneh, G. Halaweh, M. N. Assaf (German Jordanian University, Jordan)**
EVALUATION OF POTENTIAL BIOGAS PRODUCTION FROM CONSTRUCTION OF ANAEROBIC DIGESTION FROM WWTP IN JORDAN
- 12.00-12.20 **A. Volkova, E. Latšov (Tallinn University of Technology, Estonia), A. Hlebnikov, V. Mašatin (AS Utilitas Tallinn, Estonia)**
REDUCTION OF SUPPLY TEMPERATURES AND ITS IMPACT ON THE COMPONENT PARAMETERS OF THE DISTRICT HEATING SYSTEM. CASE STUDY: TOWN OF MAARDU, ESTONIA
- 12.20-12.40 **M. Koc¹ (Applied Science University of Isparta, Turkey), Y. E. Yuksel (Afyon Kocatepe University, Turkey), M. Ozturk (Applied Science University of Isparta, Turkey)**
GEOTHERMAL ENERGY UTILIZATION STATUS FOR TURKEY
- 12.40-13.00 **D. Čepauskienė, N. Pedišius (Lithuanian Energy Institute, Lithuania)**
MINERALOGICAL CHANGES IN ASH OF HEMP AND WHEAT STRAW AT DIFFERENT ASHING TEMPERATURES
- 13.00-13.20 **M. Z. Abdulin, O. A. Siryi, O. V. Baranyuk, K. S. Horban (Igor Sikorsky Kyiv Polytechnic Institute, Ukraine)**
FEATURES OF THE INFLUENCE OF TECHNOLOGICAL FACILITY OF REDUCTION THE NITROGEN OXIDES EMISSIONS BY THE BOILER-FURNACE EQUIPMENT

13.20-14.20 Lunch



3. SMART ENERGY NETWORKS 4. ENERGY ECONOMICS AND POLICY

Section A2 (Main hall)
Chairman: Eimantas Neniškis

- 14.20-14.40** M. E. Şahin² (RTE University, Turkey), H. I. Okumuş (Karadeniz Technical University, Turkey)
INDUCTANCE SELECTION CRITERIA AND DESIGN STEPS FOR POWER ELECTRONICS APPLICATIONS
- 14.40-15.00** A. Sukawattanapornkul, S. Khunkitti, P. Khunkitti, A. Siritariwat, R. Chatthaworn, C. Surawanitkun (Khon Kaen University, Thailand)
TIME OF USE ELECTRICITY RATES EVALUATION FOR RESIDENTIAL CUSTOMERS IN THAILAND
- 15.00-15.20** P. Cicėnas (Lithuanian Energy Institute, Lithuania)
LOAD FREQUENCY CONTROL IN POWER SYSTEM USING ADVANCED CONTROL SCHEMES
- 15.20-15.40** C. Srithapon, A. Siritariwat, R. Chatthaworn (Khon Kaen University, Thailand), P. Fuangfoo (Provincial Electricity Authority, Thailand)
ENERGY STORAGE MANAGEMENT SYSTEM FOR VILLAGE NETWORK WITH HIGH PENETRATION OF ROOFTOP SOLAR PV: A CASE STUDY OF THAILAND
- 15.40-16.00** D. Stanelytė, V. Radziukynas (Lithuanian Energy Institute, Lithuania)
ELECTRICITY NETWORK MANAGEMENT ALGORITHMS ANALYSIS

16.00-16.20 Coffee break

2. ENERGY EFFICIENCY AND RELIABILITY 10. MATERIALS SCIENCES AND TECHNOLOGY

Section A3 (Main hall)
Chairman: dr. Vytautas Akstinas

- 16.20-16.40** Z. Uldinskas, V. Dagilis (Kaunas University of Technology, Lithuania)
EVALUATION OF WOOD FUEL FLUE GAS COMPONENT CONCENTRATIONS DEPENDING ON TEMPERATURE, AIR EXCESS VALUE AND FUEL MOISTURE
- 16.40-17.00** V. Thepmahavong (Khon Kaen University, Thailand, Electricite Du Laos, Laos), P. Khunkitti, A. Siritariwat, R. Chatthaworn, C. Surawanitkun (Khon Kaen University, Thailand)
RELIABILITY IMPROVEMENT OF DISTRIBUTION SYSTEM USING AUTO RECLOSER IN LAO PEOPLE'S DEMOCRATIC REPUBLIC
- 17.00-17.20** S. Šantaras (Lithuanian Energy Institute, Lithuania)
OPTIMIZATION ALGORITHMS FOR VOLTAGE CONTROL IN MEDIUM VOLTAGE DISTRIBUTION SYSTEMS
- 17.20-17.40** M. E. Şahin¹ (RTE University, Turkey), F. Blaabjerg, A. Sangwongwanich (Aalborg University, Denmark)
PREDESIGN SIMULATION OF SUPERCAPACITORS BASED ON SIMPLIFIED EQUIVALENT CIRCUIT MODEL
- 17.40-18.00** P. Dolmantas, Š. Meškiniš (Kaunas University of Technology, Lithuania)
CHARGE TRANSFER MECHANISMS IN SILICON-GRAPHENE SEMICONDUCTOR FILMS

19.00 Conference dinner (Canteen)



DAY 1

SECTION B (23th May, 2019)

4. ENERGY ECONOMICS AND POLICY

Section B1 (Room AK-202)

Chairman: dr. Viktorija Bobinaitė

- 11.40-12.00** P. Mačiulis (Lithuanian Energy Institute, Lithuania)
CONSUMER PREFERENCES IN ELECTRIC VEHICLE PROMOTION SYSTEM: THE CASE OF LITHUANIA
- 12.00-12.20** D. Silakalne–Arāja (Riga Technical University, Latvia)
THE ROLE OF SOCIALLY RESPONSIBLE BUSINESS IN SUSTAINABLE ECONOMY
- 12.20-12.40** E. Neniškis (Lithuanian Energy Institute, Lithuania)
ELECTRIC VEHICLES AND THEIR CHARGING PATTERNS IN ENERGY PLANNING MODELS
- 12.40-13.00** T. Odineca, A. Borodinecs (Riga Technical University, Latvia)
PERSPECTIVES OF DIFFERENT CHP PLANTS IN THE CONTEXT OF LATVIAN TODAY'S ENERGY POLICY
- 13.00-13.20** M. Česnavičius (Lithuanian Energy Institute, Lithuania)
ELECTRICITY PRICE INFLUENCING FACTORS IN A LONG-TERM ELECTRICITY PRICE FORECASTING MODELS

13.20-14.20 Lunch

1. RENEWABLE ENERGY SOURCES

Section B2 (Room AK-202)

Chairman: dr. Giedrius Gecevičius

- 14.20-14.40** H. N. Abu Tayeh, Y. Gerchman (University of Haifa, Israel), H. Azaizeh (Tel Hai college & Institute of Applied, Research The Galilee Society, Israel)
MICROWAVE PRETREATMENT OF OLIVE MILL SOLID WASTE FOR BIOETHANOL AND BIOSORBENT PRODUCTION
- 14.40-15.00** Y. E. Yuksel¹ (Afyon Kocatepe University, Turkey), M. Koc, M. Ozturk (Applied Science University of Isparta, Turkey)
RENEWABLE ENERGY STATUS AND SMART SOLUTIONS FOR TURKEY
- 15.00-15.20** O. C. Emem, G. N. Gorbunov, Y. A. Rakhmanov, O. I. Sergienko (St. Petersburg National Research University of Information Technologies, Mechanics and Optics, Russia)
TECHNICAL ASSESSMENT OF A THERMAL NEUTRALIZATION SYSTEM OF MUNICIPAL SOLID WASTE IN THE CITY OF LAGOS, NIGERIA
- 15.20-15.40** M. Koc² (Applied Science University of Isparta, Turkey), Y. E. Yuksel (Afyon Kocatepe University, Turkey), M. Ozturk (Applied Science University of Isparta, Turkey)
DESIGN AND EVALUATION OF A CONCENTRATING SOLAR COLLECTOR BASED INTEGRATED PLANT WITH THERMAL ENERGY STORAGE
- 15.40-16.00** M. Kulokas, N. Pedišius (Lithuanian Energy Institute, Lithuania)
INVESTIGATION OF REDUCTION OF FLY ASH EMISSIONS FROM BIOMASS COMBUSTION EQUIPMENT USING ACOUSTIC AGGLOMERATION

16.00-16.20 Coffee break



2. ENERGY EFFICIENCY AND RELIABILITY

4. ENERGY ECONOMICS AND POLICY

11. GLOBAL CHANGE AND ECOSYSTEMS

Section B3 (Room AK-202)

Chairman: dr. Diana Meilutytė-Lukauskienė

- 16.20-16.40 **G. Liobikienė (Vytautas Magnus University, Lithuania)**
THE CONTRIBUTION OF ENERGY TAXES TO CLIMATE CHANGE POLICY IN THE EU
- 16.40-17.00 **A. Zuoza (Lithuanian Energy Institute, Lithuania)**
ENERGY CONSUMPTION, CAPITAL EXPENDITURES RESEARCH AND DEVELOPMENT COST AND PROFITABILITY OF THE COMPANY IN PAPER INDUSTRY
- 17.00-17.20 **T. S. Semyonova, N. V. Dinkelaker (Saint-Petersburg National Research University Of Information Technologies, Mechanics and Optics, Russia), N. F. J. Dinkelaker (Saint-Petersburg State Forest Technical University, Russia)**
ACCUMULATION OF HEAVY METALS IN A COMPLEX ECOSYSTEM OF OVERGROWN LAKES ON THE EXAMPLE OF RAKOVYE LAKES IN THE LENINGRAD REGION VYBORG DISTRICT
- 17.20-17.40 **V. Voloshchuk, M. Polishchuk, I. Polishchuk (National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine), A. Nikiforovich (Chernihiv National University of Technology, Ukraine)**
EXERGOCOECONOMIC ANALYSIS OF AN AIR SOURCE HEAT PUMP FOR SPACE HEATING

19.00 Conference dinner (Canteen)



DAY 1

SECTION C (23th May, 2019)

8. COMBUSTION AND PLASMA PROCESSES

Section C1 (Room 330)

Chairman: dr. Liutauras Marcinauskas

- 11.40-12.00** D. Gimžauskaitė, A. Tamošiūnas, S. Tučkutė, M. Aikas, R. Uscila, (Lithuanian Energy Institute, Lithuania), J. Samosionokas (Public Agency "Soil remediation technologies", Lithuania)
REMEDICATION OF ORGANOCHLORINE PESTICIDES CONTAMINATED SOIL USING THERMAL PLASMA
- 12.00-12.20** D. V. Nestsiarovich (A. V. Luikov Heat and Mass Transfer Institute, Belarus)
MEASUREMENT OF THE PARTICLES VELOCITY AND THERMAL EROSION EFFECT ON INCLINED BARRIER IN A SUPERSONIC HETEROGENEOUS PLASMA FLOW
- 12.20-12.40** M. Sadeckas, N. Striūgas (Lithuanian Energy Institute, Lithuania)
Na*, K*, Ca* RADICALS EMISSION AND ASH-RELATED ISSUES DURING COMBUSTION OF BIOMASS
- 12.40-13.00** H. Yilmaz¹, O. Cam (Erzincan Binali Yildirim University, Turkey), I. Yilmaz (Erzincan University, Turkey)
EXPERIMENTAL INVESTIGATION OF EFFECTS OF THE RATIO OF SWIRLER HUB DIAMETER TO OUTER DIAMETER (dh/do) ON SYNTHETIC GAS FLAMES: PART 1: COMBUSTION AND EMISSION CHARACTERISTICS
- 13.00-13.20** H. Yilmaz², O. Cam (Erzincan Binali Yildirim University, Turkey), I. Yilmaz (Erzincan University, Turkey)
EXPERIMENTAL INVESTIGATION OF EFFECTS OF THE RATIO OF SWIRLER HUB DIAMETER TO OUTER DIAMETER (dh/do) ON SYNTHETIC GAS FLAMES: PART 2: DYNAMIC FLAME BEHAVIOUR AT EXTERNALLY ALTERED ACOUSTIC CONDITIONS

13.20-14.20 Lunch

WORKSHOP-ROUND TABLE OF H2020 PROJECT "SOLAR PV ON THE DISTRIBUTION GRID: SMART INTEGRATED SOLUTIONS OF DISTRIBUTED GENERATION BASED ON SOLAR PV, ENERGY STORAGE DEVICES AND ACTIVE DEMAND MANAGEMENT" IDISTRIBUTEDPV

Section C2 (Room 330)

Chairman: dr. Darius Milčius

- 14.20-14.45** Dr. Saulė Milčiuvienė (Vytautas Magnus University, Lithuania)
DESCRIPTION OF PROSUMER CONCEPT AND THE ROLE OF PROSUMER IN IMPLEMENTING ENERGY JUSTICE THEORY
- 14.45-15.10** Dr. Darius Milčius (Lithuanian Energy Institute, Lithuania)
TECHNICAL AND ECONOMIC ANALYSIS OF INTEGRATED PHOTOVOLTAIC (PV) SYSTEMS INTO OFFICE TYPE BUILDINGS. DEMONSTRATION OF PROSUMER SOLUTION SIMULATION TOOL.
- 15.10-15.35** Dr. Virginijus Radziukynas (Lithuanian Energy Institute, Lithuania)
INTEGRATION OF PV PLANT INTO ELECTRICITY GRID: CASE OF LITHUANIAN ENERGY INSTITUTE
- 15.35-16.00** ROUND TABLE DISCUSSIONS

16.00-16.20 Coffee break



8. COMBUSTION AND PLASMA PROCESSES
7. NUCLEAR FISSION AND RADIATION PROTECTION

Section C3 (Room 330)
Chairman: dr. Marius Praspaliauskas

- 16.20-16.40** **N. Iljina, K. Meile (Latvian State Institute of Wood Chemistry, University of Latvia, Latvia), A. Zhurinsh (Latvian State Institute of Wood Chemistry, Latvia)**
AGING OF THE FAST PYROLYSIS PRODUCTS WITH HIGH WATER CONTENT OBTAINED FROM LIGNOCELLULOSE
- 16.40-17.00** **L. Vorotinskienė, N. Striūgas (Lithuanian Energy Institute, Lithuania)**
DETERMINATION OF DRYING INTENSITY IN STATIONARY AND MOVING LAYER OF WOOD CHIPS
- 17.00-17.20** **T. M. Henarava, K. A. Viazava, V. V. Sauchyn, A.I. Liavonchyk (A. V. Luikov Heat and Mass Transfer Institute, Belarus), E. I. Hapankova, I. A. Latyshevich (Institute of Physical Organic Chemistry, Belarus)**
CARRIER GAS EFFECT ON TYRE PYROLYSIS OIL COMPOSITION
- 17.20-17.40** **M. Z. Abdulin, A. A. Siryi, A. V. Baranyuk (National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine)**
CFD MODELING OF HEAT EXCHANGE AND HYDRODYNAMICS IN A JET-NICHE SYSTEM OF FUEL COMBUSTION
- 17.40-18.00** **D. Lunov, S. Alyokhina (V. N. Karazin Kharkiv National University, Ukraine)**
SELECTION OF THE OPTIMAL GEOMETRICAL PARAMETERS OF VENTILATION TRACT OF STORAGE CONTAINER WITH SPENT NUCLEAR FUEL

19.00 Conference dinner (Canteen)



DAY 2

SECTION A (24th May, 2019)

REGISTRATION

1. RENEWABLE ENERGY SOURCES

10. MATERIALS SCIENCES AND TECHNOLOGY

Section A1 (Main Hall)

Chairman: dr. Svetlana Danilova-Tretiak

- 8.30-9.00 Registration
- 9.00-9.20 **D. Kertesz, I. Vokony (Budapest University of Technology and Economics, Hungary)**
RESEARCH OF RENEWABLE ENERGY RESOURCES EFFECT TO THE ENERGY MIX OF EU WITH OPTIMAL POWER FLOW CALCULATION
- 9.20-9.40 **A. Gaile, A. Bojarevičs, M. Milgrāvis, V. Geža (University of Latvia, Latvia)**
AN EXPERIMENTAL STUDY OF ELECTROMAGNETICALLY EXCITED LIQUID METAL SURFACE WAVES
- 9.40-10.00 **N. S. Mahon, O. V. Korolik, A. V. Mazanik (Belarusian State University, Belarus)**
CONFOCAL SPECTROMETER FOR STUDY OF ORGANIC-INORGANIC PEROVSKITES
- 10.00-10.20 **K. D. Omotosho, A. T. Oluwabi, I. Oja Acik, A. Mere, M. Krunks (Tallinn University of Technology, Estonia)**
CHARACTERISATION OF ALUMINUM OXIDE THIN FILMS DEPOSITED BY SPRAY PYROLYSIS
- 10.20-10.40 **E. E. Venhlinkaya, M. S. Tivanov, O. V. Korolik, (Belarusian State University, Belarus) V. F. Gremenok, A. V. Stanchik (Scientific and Practical Materials Research Centre, National Academy of Sciences, Belarus), R. L. Juškėnas (State Research Institute "Center for Physical Sciences and Technology", Lithuania)**
TEMPERATURE DEPENDENCE OF RAMAN SPECTRA OF $Cu_2ZnSnSe_4$ THIN FILMS

10.40-11.20 Coffee break

9. THERMAL PHYSICS, FLUID MECHANICS AND METROLOGY

Section A2 (Main Hall)

Chairman: dr. Anton Brin

- 11.20-11.40 **A. S. Solomakha, V. G. Rifert, P. A. Barabash (Igor Sikorsky Kyiv Polytechnic Institute, Ukraine)**
IMPROVING THE METHOD OF HEAT TRANSFER CALCULATION DURING CONDENSATION AND EVAPORATION OF A LIQUID FILM IN THE FIELD OF CENTRIFUGAL FORCES
- 11.40-12.00 **T. Vaitkūnas, A. Jutas (Kaunas University of Technology, Lithuania)**
LATTICE DISTORTION MODEL AND PROBABILISTIC ANALYSIS SIMULATING ELASTIC BEHAVIOR OF CRYSTALLINE MATERIALS
- 12.00-12.20 **K. A. Viazava (A. V. Luikov Heat and Mass Transfer Institute, Belarus)**
MODELING OF OBJECTS WITH A LINEAR SPECTRUM FOR PHOTOEMISSION PYROMETER CALIBRATION
- 12.20-12.40 **A. Bertašienė, V. Zaleskas (Lithuanian Energy Institute, Lithuania)**
INVESTIGATIONS OF DYNAMIC AIR FLOW CHARACTERISTICS IN STRAIGHT PIPE OF WIND TUNNEL USING INNOVATIVE MEASUREMENT SYSTEM
- 12.40-13.00 **V. V. Sereda (National University of Water and Environmental Engineering, Ukraine), V. G. Rifert, V. V. Gorin, P. A. Barabash (National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine)**
PREDICTION OF EFFECTIVE HEAT TRANSFER COEFFICIENTS FOR VAPOUR CONDENSATION INSIDE HORIZONTAL TUBES IN STRATIFIED PHASE FLOW



DAY 2

SECTION B (24th May, 2019)

9. THERMAL PHYSICS, FLUID MECHANICS AND METROLOGY

Section B1 (AK-202)

Chairman: dr. Linas Martišauskas

- 9.00-9.20 **P. Vilkinis, N. Pedišius (Lithuanian Energy Institute, Lithuania)**
INVESTIGATION OF PRIMARY VORTEX STRUCTURE IN OPEN TYPE CAVITY
- 9.20-9.40 **A. I. Malinouski, O. S. Rabinovich (A. V. Luikov Heat and Mass Transfer Institute, Belarus)**
RADIATIVE HEAT TRANSFER IN PACKED BED OF SPHERICAL PARTICLES
- 9.40-10.00 **Y. E. Yuksele² (Afyon Kocatepe University, Turkey), M. Koc, M. Ozturk (Isparta University of Applied Sciences, Turkey)**
THERMODYNAMIC ANALYSIS OF A TRIPLE EFFECT ABSORPTION COOLING SYSTEM INTEGRATED WITH WASTE ENERGY
- 10.00-10.20 **A. G. Petrovich (A. V. Luikov Heat and Mass Transfer Institute, National Academy of Sciences of Belarus, Belarus)**
RESONANCE MODE OF SOUND PROPAGATION IN FLUIDIZED BED OF CNT AGLOMERATES
- 10.20-10.40 **R. Poškas, A. Sirvydas, V. Kulkovas, P. Poškas (Lithuanian Energy Institute, Lithuania)**
PRELIMINARY INVESTIGATIONS OF WATER VAPOUR CONDENSATION FROM BIOFUEL FLUE GASES IN A MODEL OF A VERTICAL CONDENSING HEAT EXCHANGER

10.40-11.20 Coffee break

10. MATERIALS SCIENCES AND TECHNOLOGY

12. CROSS-CUTTING ENERGY ISSUES

Section B2 (AK-202)

Chairman: dr. Regina Kalpokaitė-Dičkuvienė

- 11.20-11.40 **V. Nwaokolo, A. Katerski (University of Technology, Estonia)**
CHARACTERISATION OF SPRAY PYROLYSIS SnO_2 THIN FILMS FOR PHOTOVOLTAIC APPLICATIONS
- 11.40-12.00 **A. Šuopys, L. Marcinauskas R. Kėželis, M. Aikas, S. Tučkutė, R. Uscila (Lithuanian Energy Institute, Lithuania)**
CHEMICAL AND THERMAL RESISTANCE OF PLASMA SPRAYED $\text{Al}_2\text{O}_3/\text{TiO}_2$ COATINGS
- 12.00-12.20 **G. Skarbalius, A. Džiugys (Lithuanian Energy Institute, Lithuania)**
THE MOLECULAR DYNAMICS STUDY ON WATER PROPERTIES AT LIQUID-VAPOUR EQUILIBRIUM
- 12.20-12.40 **M. Grajcar (Hafen City University, Germany)**
ENERGY FORECASTING VS ENERGY MODELLING JAZZ IMPROVISATION VS SYMPHONY
- 12.40-13.00 **G. Adžgauskas (Lithuanian Energy Institute, Lithuania)**
REVIEW OF RIVERINE HYDRO ENERGY RESEARCH IN LITHUANIA

13.00-13.30 Coffee break

CLOSURE

Section A3 (Main Hall)

Chairman: dr. Vytautas Akstinas

- 13.30-14.30 FINAL DISCUSSIONS AND AWARDS



DAY 2

SECTION C (24th May, 2019)

7. NUCLEAR FISSION AND RADIATION PROTECTION

Section C1 (Room 330)

Chairman: dr. Tadas Kaliatka

- 9.00-9.20 **R. Janulionis** (Lithuanian Energy Institute, Lithuania)
NUMERICAL INVESTIGATION OF HYDROGEN INFLUENCE ON J-INTEGRAL OF ZIRCONIUM ALLOY
- 9.20-9.40 **T. V. Nikulenkova** (Igor Sikorsky Kyiv Polytechnic Institute, Ukraine), **A. G. Nikulenkov** (Separated Subdivision Scientific and Technical Center of the State Enterprise National Nuclear Energy Generating Company Energoatom, Ukraine)
CALCULATION OF BOUNDARY CONDITIONS USING CFD MODELING AS PART OF A COMPREHENSIVE APPROACH TO IMPACT ASSESSMENT OF MODIFICATIONS ON THE SERVICE LIFE OF CRITICAL ELEMENTS OF A NUCLEAR POWER PLANT TURBINE
- 9.40-10.00 **E. A. Sokolova**, **E. D. Fedorovich**, **K. Sadegni**, **S. H. Ghazaie**, **M. V. Konushin** (Peter the Great St. Petersburg Polytechnic University, Russia), **S. S. Makuhin** (JSC "SPbAEP", Russia)
THE USE OF MULTI-PURPOSE ATOMIC COMPLEXES IN THE COUNTRIES OF MIDDLE EAST AND NORTH AFRICA
- 10.00-10.20 **Zs. Tóth**, **D. P. Kis** (Budapest University of Technology and Economics – Institute of Nuclear Techniques, Hungary)
NEUTRON FLUX SIMULATION OF A ONE DIMENSIONAL REACTOR ZONE
- 10.20-10.40 **A. Graževičius**, **A. Kaliatka** (Lithuanian Energy Institute, Lithuania)
NUMERICAL INVESTIGATION OF TWO-PHASE NATURAL CONVECTION AND THERMAL STRATIFICATION PHENOMENA IN ROD BUNDLE

10.40-11.20 Coffee break

9. THERMAL PHYSICS, FLUID MECHANICS AND METROLOGY

Section A2 (Main Hall)

Chairman: dr. Anton Brin

11.20-13.00

10. MATERIALS SCIENCES AND TECHNOLOGY

12. CROSS-CUTTING ENERGY ISSUES

Section B2 (AK-202)

Chairman: dr. Regina Kalpokaitė-Dičkuvienė

13.00-13.30 Coffee break

CLOSURE

Section A3 (Main Hall)

Chairman: dr. Vytautas Akstinas

13.30-14.30 FINAL DISCUSSIONS AND AWARDS