



The summer camp Smithy of Ideas 2010 carried out under the project Lithuanian Society of Young Researchers and Strengthening the Under-Funded for 2007-2013 Human Resource Development Programme of Action Priority 3 Capacity building of researchers 'VP1-3.1-MES-05-K measure R&D thematic networks, strengthening the associations

SCIENTIFIC SUMMER CAMP SMITHY OF IDEAS 2010

June 17-20, 2010, steading Trakšalis, Katyšių village, Trakai district

PROGRAMME

June 17, Thursday

- 17:30-18:00 **arrival, registration, settling**
- 18:00-18:15 Georgij Kostjuk, DNA Recognition and Cleavage by Monomeric Restriction Endonucleases
- 18:15-18:30 Dr. Mindaugas Zaremba, Reaction Mechanism of the Restriction Endonuclease Ecl18ki
- 18:30-18:45 Andrius Ivanovas, Purification of a Secondary Alcohol Oxidase
- 18:45-19:00 **coffee break**
- 19:00-19:15 Baiba Niparte, Photoisomerization Processes of Azobenzene Compounds in Thin Polymer Films
- 19:15-19:30 Maira Indrikova, Photoelectrical Properties of Thin Films of Indandione Derivatives
- 19:30-19:45 Gints Kucinskis, LiFePO₄ and its Thin Films as a Cathode in Lithium-Ion Batteries
- 19:45-20:00 Guntars Kitenbergs, Registration and Digital Processing of Motion in Magnetic Field
- 20:00-20:15 Jānis Priede, Latvia's Economical Branches Exports Quality Competetiveness Analysis
- 20:15-22:00 **free time**

June 18, Friday

- 9:00-10:00 **registration**
- SESSION I**
- 10:00-10:15 Smithy of Ideas 2010 organisers welcome word
- 10:15-10:30 Daiva Kairienė, Methodological Perspectives of Collaborative Teams' Culture Creation research
- 10:30-10:45 Vilma Vetrenkienė, Second Career Designing for Senior



10:45-11:00 Kristina Mejerytė-Narkevičienė, Open Educational Resources in Learning Process

11:00-11:15 Valdis Janovs, Productivity Management in Knowledge Organisations

11:15-11:30 Tomas Sabonis, Neutrinos oscillations

11:30-11:45 **coffee break**

SESSION II

11:45-12:00 Kristina Apanavičiūtė, Searching of the Lithuanian Identity: Break of the End of the XIX Century - Beginning of the XX Century

12:00-12:15 Regina Čičiurkienė, The Category *Herdsmen* – the Principle of Social-Cultural Classification

12:15-12:30 Inga Kapeniece, Phenomenon of Hope in Life-World Nowadays: Main Problems and Aspects

12:30-12:45 Krišs Kapenieks, Curonians of the Curonian Spit in the context of small ethnic communities in the South-Eastern Baltic

12:45-13:00 Kęstutis Skrupskelis, Research on Salmonids Migration in Lithuania. Maze and Migration

13:00-14:00 **dinner**

14:00-14:15 Mindaugas Karaliūnas, Exciton Interaction of Zinc Oxide

14:15-14:30 Viktor Novičenko, Synchronization Control in Global Coupled Oscillator System

14:30-14:45 Dr. Paulius Serafinavičius, Smartphone Applications Based on Determining User Location and Computer Vision

14:45-15:00 Artis Mednis, Road Rough Detection Using Microphones

15:00-15:15 Aurimas Rugaitis, The System of Glider Dynamic Measurements and Critical Parameters Analysis

15:15-15:30 Dr. Antoni Kozič, Innovative Remote NI ELVIS Laboratory

15:30-15:45 **coffee break**

15:45-16:00 Martins Zviedris, Graphical Query Language “ViziQuer”

16:00-17:30 Doc. dr. Irena Patašienė, Irena Bajorūnienė, I am businessman: (im) possible

17:30-18:00 free time

18:00-19:00 **supper**

EVENING PART

19:00-22:00 introducing games, paintball or strikeball, animated cartoon “Minuscule”



22:30-24:00 barbecue, communication

June 19, Saturday

8:40-9:00 **morning exercises**

9:00-9:45 **breakfast**

SESSION III

9:45-10:00 Dr. Robertas Alzbutas, Probabilistic Assessment of Severe Accidents

10:00-10:15 Mary Lencmane, Sanda Blomkalna, Heat Transfer in Industry

10:15-10:30 Dr. Marija Eidukevičiūtė, Data Fusion Methods, their Purpose and Use in Diagnostics

10:30-10:45 Inese Bērziņa, Toeplitz Words

10:45-11:00 Tomas Prosevičius, Benas Linkevičius, Artificial Intelligence Chat Application of Virtual Friends

11:00-11:15 Annija Rupeneite, Opponent Modeling in Poker Using Artificial Intelligence Techniques

11:15-11:45 **coffee break**

11:45-12:00 Vytautas Čepas, Calibration of the Color Indices of the Vilnius Photometric System in Terms of Metallicity Parameter [M/H] for F-M Giant Stars

12:00-12:15 Reinholds Zviedris, Data Mules and their Usage

12:15-12:30 Girts Strazdins, Vehicular Sensor Networks

12:30-12:45 Atis Elsts, Wireless Sensor Networks and the Internet

12:45-13:00 Edgaras Timinskas, Review of Composite Rebar Use in Concrete Structures

13:00-14:00 **dinner**

SESSION IV

14:00-14:15 Jūratė Ruškė, Challenges of Dignity: Experiences of Person with Disabilities

14:15-14:30 Margarita Jurevičienė, Education Training Aspect of Moderately Mentally Retarded Children's Social Skills

14:30-14:45 Rima Solianik, Changes in Gait after Severe Brain Injury during Post-Acute rehabilitation

14:45-15:00 Vaida Aleknavičiūtė, Achilles Tendon Ruptures and Functional Changes of Calf Muscles after Physiotherapy

15:00-15:15 Dovilė Parulytė, Different Exercises Programmes Influence on Osteoarthritis Patients



- 15:15-15:45 **coffee break**
- 15:45-16:00 Gintarė Dargevičiūtė, Eight Weeks Different Eccentric Exercise Influence Quadriceps Muscle Strength and Electrical Activity
- 16:00-16:15 Sergejs Fomins, Multispectral Analysis of Colour Deficiency Tests and Novel Testing Technique Proposition Based on Colour After-Effect
- 16:15-16:30 Dr. Jovita Vasauskaitė, Time Selection for the Implementation of New Technology in Industrial Firm
- 16:30-16:45 Maria Simonova, Human capital development in Latvia
- 16:45-17:10 Dr. Eugenijus Keras, Photography and Time
- 17:30-18:30 **supper**
- EVENING PART**
- 18:30-21:30 Poetry of Linvydas Krivickas, cinema “Mister Nobody”, volleyball (football), table games (Alias)
- 21:30 barbecue, karaoke party, dancing with Bachata Souls, communication
- 23:00 bath (sauna), karaoke party, dancing, communication

June 20, Sunday

- 10:00-10:45 **breakfast**
- SESSION V**
- 10:45-11:00 Dr. Rita Asakavičiūtė, Major Potato Diseases and Pests
- 11:00-11:15 Tatjana Darchanova, Microscopic Fungi of Buryatia and Their Biologically Activity
- 11:15-11:30 Regina Losinska, Tropistic Reactions of Aerial Parts of *Lepidium sativum* Under Altered Gravity
- 11:30-11:45 Irma Vitonytė, Red Algae in Benthic Communities of Lithuanian Streams
- 11:45-12:00 Dalius Gudeika, Aromatic Imides and Hydrazones Synthesis, Properties, Applications
- 12:00-12:30 **coffee break**
- 12:30-12:45 Dr. Brigita Serafinavičiūtė, Science Policy in Lithuania from the Perspective of the Research Council of Lithuania
- 12:45-13:00 Jurgis Stanaitis, Idea of the End of History
- 13:00-13:15 Asta Bivainytė, Designing, Knitted Fabrics for Sport and Leisure



13:15-14:30 **dinner**

SESSION VI

14:30-14:45 Ana Dmirieva, Ecology and Diversity of the Planktonic Algae of the Zavidovo National Park River Systems

14:45-15:00 Daina Kliugaitė, The Best Technique for Humic Substances Recovery from Wastewater

15:00-15:15 Virginija Skorupskaitė, Aquaculture-a New Renewable Resource for Biofuel Production

15:15-15:30 Evaldas Trainavičius, Flotacin Sewage Strengths and Weaknesses

15:30-15:45 Dr. Marija Eidukevičiūtė, Review of Main Principles Used in Representations of Results and Topics in Various Fields of Science

15:45-16:15 **coffee break**

16:15-17:15 Aidis Stukas, The Evolution of Scientific Medium. Workshop: SALT Annotation Technology

17:15-18:30 **supper**

18:30-19:45 LSYSR president Dr. Vilma Petrikaitė and Discussion about Smithy of Ideas 2010

20:00 **departure**