

Research Policy within the European Cohesion Policy

Present and Future Perspective of Centres of Excellence

17th – 18th November 2011: Brdo pri Kranju, Slovenia

The conference is being co-organised by the Ministry of Higher Education, Science and Technology, the Government Office for Local Self-Government and Regional Policy and the Slovenian Centres of Excellence.

The aim of the international conference is to present the challenges of Research policy in Slovenia and Europe and underline several key topics and issues of the R&D activities within the framework of the European Cohesion Policy. The purpose of the conference is to initiate professional exchange of ideas pertaining to the crucial issues the Slovenian Centres of Excellence are facing.

The conference will also include debates on the following themes:

- Research policy and new programming period 2014-2020
- Europe 2020 – EU strategy for the new decade
- Future of the Centres of Excellence

The conference will provide a forum for many top foreign and domestic scientists who will present their scientific work by holding lectures. Participants will have an opportunity to learn about the achievements of the Centres of Excellence, as well as to discuss the future of the scientific and research policy in Europe with some top scholars.

PROGRAMME

17th NOVEMBER 2011

8:00 Registration

9:00 Welcome speeches

- **Igor Lukšič**, *Ministry of Higher Education, Science and Technology*
- **Bojan Suvorov**, *Government Office for Local Self-Government and Regional Policy*
- **Georgios Yannoussis**, *Directorate General for Regional Policy, European Commission*

9:30 Future challenges of R&D and Cohesion Policy

- **Josip Mihalic**: Project achievements within the framework of the Operational Programme for Strengthening Regional Development Potentials for the Period 2007 – 2013, *Government Office for Local Self-Government and Regional Policy*
- **Peter Wostner**: New Programming period 2014-2020, *Government Office for Local Self-Government and Regional Policy*
- **Claus Schultze**: Cohesion Policy and Europe 2020 – Smart, Sustainable and Inclusive Growth, *Directorate General for Regional Policy, European Commission*
- **Ciaran Dearle**: Future Prospects for R&D and Innovation Policy, *Directorate General for Research & Innovation, European Commission*
- **Jana Kolar**: Centres of Excellence in Slovenia, *Ministry of Higher Education, Science and Technology*

11:30 Coffee Break

12:00 Innovation and Technology Management

- Chair: **Angus Kingon**, *Brown University, School of Engineering*
- Panellists:
- **Jose Luis Huertas**, *Centro Nacional de Microelectrónica - Universidad de Sevilla*
- **Miloš Ebner, Trimó**, *Engineering and production of pre-fabricated buildings, d.d.*
- **Matjaž Oven**, *Sandoz Biopharmaceuticals, Mengeš, Lek d.d.*

13:45 Lunch

15:15 Intellectual Property Rights and Business Models

- Chair: **Srečko Čadonič**, *Cadonic Consultancy Services, LL.C.*
- Panellists:
- **Dennis Unkovic**, *Partner, Meyer, Unkovic & Scott LL.P.*
- **Klemen Grošelj**, *Slovenian Intellectual Property Office*
- **Christophe Cotillon**, *Association de Coordination Technique pour l'Industrie Agroalimentaire, France*
- **Barbara Kunič Tešovič**, *Lek Pharmaceuticals d.d.*

17:00 Sustainability of Centres of Excellence After 2013

- Chair: **Marko Jaklič**, *University of Ljubljana, Faculty of Economics*
- Panelists:
- **Maja Tomanič Vidovič**, *Slovene Enterprise Fund*
- **Jure Mikuž**, *RSG Capital*
- **Alois Jungbauer**, *ACIB GmbH, Austrian Centre of Industrial Biotechnology*
- **Zlata Ploštajner**, *Ministry of Higher Education, Science and Technology*

18th NOVEMBER 2011

8:30 Registration

9:00 Advanced materials and nanotechnologies

- Chair: **Paul McGuinness**, *Jožef Stefan Institute*
- **Marija Kosec, Slavko Bernik, Janez Trontelj, Igor Muševič, Janez Štrancar**: Materials are conquering world, *Centre of Excellence Advanced Materials and Technologies for the Future*
- **Blaž Kavčič**: Litography, *LPKF Laser & Elektronics d.o.o.*
- **Zorica Crnjak Orel**: Preparation and characterization of nano-to-submicrometer-sized ZnO particles and their incorporation into polymer matrices for different applications, *Centre of Excellence Polymer Materials and Technologies*
- **Aleš Podgornik**: Hierarchically structured porous materials – enabling technology for production of biological drugs and regenerative medicine, *Centre of Excellence for Biosensors, Instrumentation and Process Control; BIA Separations d.o.o.*

9:00 Health and life science

- Chair: **Karin Stana-Kleinschek**, *Centre of Excellence Polymer Materials and Technologies*
- **Dušan Turk**: Perspective of integrated approaches in chemistry and biology of proteins: following destiny of proteins maturation and degradation, *Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins*
- **Roman Jerala**: DNA guided assembly line, *EN-FIST Centre of Excellence; Department of Biotechnology, National institute of Chemistry; Faculty of Chemistry and Chemical Technology, University of Ljubljana*
- **Maja Rupnik**: Host and pathogen associated factors involved in disease development, *Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins*
- **Janez Plavec**: NMR studies of structure and dynamics of bio(macro)molecules; *EN-FIST Centre of Excellence; Slovenian NMR Centre, National Institute of Chemistry; Faculty of Chemistry and Chemical Technology, University of Ljubljana*
- **Karin Stana-Kleinschek**: Main trends in the wound dressings market and development, *Centre of Excellence Polymer Materials and Technologies*
- **Enej Kuščer, Hrvoje Petković**: Intra and intercellular communication from drug development perspective, *Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins*

9:00 **Complex systems, innovative technologies and technologies for sustainable economy**

- Chair: **Giorgio Paolucci**, *Sincrotrone Trieste company*
- **Stanko Hočvar**: Research and development of new electro-catalysts for fuel cells, *Centre of Excellence for Low-Carbon Technologies*
- **Rok Šabjan**: Trends in Control Systems for Large Experimental Facilities, *Centre of Excellence for Biosensors, Instrumentation and Process Control*
- **Matjaž Kunaver**: Biomass waste – a source of raw materials and energy, *Centre of Excellence Polymer Materials and Technologies*
- **Tomaž Rodič, Krištof Oštir**, Development of micro satellite technologies and applications for remote sensing, *Centre of Excellence for Space Sciences and Technologies*
- **Robert Dominko**: New generation of the high energy density lithium batteries, *Centre of Excellence for Low-Carbon Technologies*

12:00 **Lunch**

13:00 **Advanced materials, nanotechnologies**

- Chair: **Paul McGuinness**, *Jožef Stefan Institute*
- **Spomenka Kobe**: Synthesis, *Centre of Excellence Nanocenter, Jožef Stefan Institute*
- **Božidar Šarler**: From numerical modelling of production to numerical modelling of use of carbon nanomaterials, *Centre of Excellence for Biosensors, Instrumentation and Process Control and University of Nova Gorica*
- **Erik Zupanič**: Methods of characterization, *Jožef Stefan Institute*

13:00 **Health and life science**

- Chair: **Karin Stana-Kleinschek**, *Centre of Excellence Polymer Materials and Technologies*
- **Iztok Turel**: Physicochemical Studies and Biological Activity of Ruthenium Complexes; *EN-FIST Centre of Excellence, Faculty of Chemistry and Chemical Technology, University of Ljubljana*
- **Robert Zorec**: Fusion pore: An Evolutionary Invention of Eukaryotic Cells, *Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins*
- **Boris Turk**: LIVIMODE – Light-based functional in vivo monitoring of Diseases related enzymes, *Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins*
- **Nataša Poklar Urih**: Extremophilic microorganisms – source of biotechnologically important proteins, *Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins*
- **Matjaž Peterka**: Bacteriophages-rediscovered tools to fight bacteria, *Centre of Excellence for Biosensors, Instrumentation and Process Control*
- **Tina Šmuc**: Aptamer biosensors, *Centre of Excellence for Biosensors, Instrumentation and Process Control*

13:00 **Complex systems, innovative technologies and technologies for sustainable economy**

- Chair: **Giorgio Paolucci**, *Sincrotrone Trieste company*
- **Nedjeljka Žagar, Jože Rakovec**, Applications of satellite data in meteorology, *Centre of Excellence for Space Sciences and Technologies*
- **Miran Gaberšček**: Lithium technologies in Slovenia, *Centre of Excellence for Low-Carbon Technologies*
- **Mihael Sekavčnik**: Hydrogen technologies within advanced energy supply, *Centre of Excellence for Low-Carbon Technologies*
- **Tomaž Zwitter, Dunja Fabjan**: Astrophysical observations from Earth and satellites, *Centre of Excellence for Space Sciences and Technologies*
- **Primož Lemut**: *Timing Systems based on Optical Technologies, Centre of Excellence for Biosensors, Instrumentation and Process Control*

16:30 **Conclusion**