



Innovative Materials for the Development of the Baltic Region National Economy

Date: December 16

Place: Riga, Latvia

Venue: University of Latvia Academic Centre of Natural Science (1 Jelgavas Street, Riga)

December 15, Tuesday

LOBBY NEAR AUDITORIUM MAGNUM No 106

19:00

WELCOME RECEPTION

December 16, Wednesday

09:00

Registration

Lobby near Auditorium Magnum No 106

Morning coffee

AUDITORIUM No 702

10:00 – 10:30

Press conference



AUDITORIUM MAGNUM No 106	
	<p><u>OPENING</u></p> <p>Session moderator: Prof. Andrejs Erglis (<i>BIRTI: Chairman of the Board; Chairman of the Board of Latvian Regenerative Medicine Association</i>)</p>
10:30 – 11:15	<p>Prof. Indrikis Muiznieks (<i>BIRTI: Member of the Council; Rector of the University of Latvia</i>)</p> <p>Laimdota Straujuma (<i>Prime Minister of Latvia</i>)</p> <p>Prof. Ojars Sparitis (<i>President of the Latvian Academy of Sciences</i>)</p> <p>Prof. Leonids Ribickis (<i>Rector, Riga Technical University</i>)</p> <p>Janis Duklavs (<i>Minister of Agriculture of Latvia</i>)</p> <p>Kirovs Lipmans (<i>Chairman of the Council of JSC «Grindeks»</i>)</p>
11:15 – 11:30	<p>The Investment Plan for Europe</p> <p>Inna Steinbuka (<i>Head of Representation, The European Commission Representation in Latvia</i>)</p>
11:30 – 11:45	<p>Team science and technology transfer for the future</p> <p>Prof. Andrejs Erglis (<i>BIRTI: Chairman of the Council; Chairman of the Board of Latvian Association of Regenerative Medicine</i>)</p>
11:45 – 12:00	<p>Materials science in Riga Technical University</p> <p>Prof. Talis Juhna (<i>BIRTI: Member of the Council; Vice-Rector for Research, Riga Technical University</i>)</p>



12:00 – 12:45	Lunch break Auditorium Aeris No 702 (7 th floor)	
	AUDITORIUM MAGNUM No 106	AUDITORIUM SINISTRUM No 107
	<u>CARBON BASED MATERIALS</u> Session moderator: Asoc. Prof. Donats Erts <i>(Director of the Institute of Chemical Physics, University of Latvia)</i>	<u>MATERIAL RADIATION STABILITY</u> Session moderator: Dr. Chem. Gunta Kizane <i>(Head of Laboratory of Radiation Chemistry of the Institute of Chemical Physics, University of Latvia)</i>
12:45 – 13:00	Carbon nanomaterials for research and technologies Asoc. Prof. Donats Erts <i>(Director of the Institute of Chemical Physics, University of Latvia)</i>	Material radiation stability for nuclear energy sources Dr. Chem. Gunta Kizane <i>(Head of Laboratory of Radiation Chemistry of the Institute of Chemical Physics, University of Latvia Radiation Chemistry)</i>
13:00 – 13:20	Basic properties and applications of epitaxial graphene in metrology and electronics Prof. Sergey Kubatkin <i>(Head of Quantum Device Physics Laboratory, Chalmers University of Technologies, Sweden)</i>	The European ITER Test Blanket Modules: Development and qualification of functional materials and fabrication technologies PhD. Milan Zmitko <i>(Technical Coordination Officer in Test Blanket Modules and Materials Development Project Team, ITER Department, Fusion for Energy, Barcelona)</i>
13:20 – 13:35	Discussion	Discussion



	AUDITORIUM MAGNUM No 106	AUDITORIUM SINISTRUM No 107	
	<u>OPTICAL MATERIALS</u> Session moderator: Prof. Andris Sternbergs <i>(Director of the Institute of Solid State Physics, University of Latvia)</i>	<u>COMPOSITE MATERIALS</u> Session moderator: Dr. sc. ing. Dagnija Loca <i>(Director of the Rudolfs Cimdins Riga Biomaterials Innovations and Development Centre of Riga Technical University)</i>	
13:35 – 13:55	Advanced optical materials for photonics – multi-KETs pilot lines project Prof. Andris Sternbergs <i>(Director of the Institute of Solid State Physics, University of Latvia)</i>	13:35 – 13:50	Perspective developments in the field of polymer composite materials Dr.sc.ing. Janis Zicans <i>(Director of the Institute of Polymer Materials, Riga Technical University)</i> or Prof. Dr. sc. ing. Remo Merijs Meri <i>(Head of Department of Polymer Materials Technology; Riga Technical University)</i>
13:55 – 14:15	Organic Materials for Light Emitters Prof. Saulius Antanas Jursenas <i>(Director of Institute of Applied Research, Vilnius University)</i>	13:50 – 14:05	Composite materials in biomedical engineering Asoc. Prof. Janis Locs <i>(Vice director of the Institute of General Chemical Engineering, Riga Technical University)</i>



14:15 – 14:30	Research of Innovative Composite Materials at Institute of Material Mechanics UL Dr. sc. eng. Ilze Beverte <i>(Leading researcher)</i>	14:05 – 14:20	Laser Application in Radiation Detector and Solar cell Prof. Arturs Medvids <i>(Head of the Laboratory of Semiconductor Physics Institute of Technical Physics; Riga Technical University)</i>
14:30 – 14:45	Discussion about optical materials field	14:20 – 14:35	Innovative and Multifunctional Composite Materials for Sustainable Buildings Prof. Andris Cate <i>(Director of Institute of Materials and Structures and Head of Department of Composite Materials and Structures; Riga Technical University)</i> or Dr. sc. ing. Kaspars Kalnins <i>(Leading Researcher of Institute of Materials and Structures; Riga Technical University)</i>
		14:35 – 14:45	Discussion about composite materials field
14:45 – 15:15	Coffee break Auditorium Magnum No 106		



AUDITORIUM SINISTRUM No 107

Session moderators:

Prof. Andrejs Erglis (*BIRTI: Chairman of the Board; Chairman of the Board of Latvian Regenerative Medicine Association*)

Prof. Talis Juhna (*BIRTI: Member of the Council; Vice-Rector for Research, Riga Technical University*)

15:15 – 15:30

Materials science related research in Institute of Materials Science of Kaunas University of Technology

Dr. Sarunas Meskinis (*Supreme researcher, head of the laboratory of vacuum and plasma processes of Institute of Materials Science, Kaunas University of Technology*)

15:30 – 15:45

Prof. Mart Tamre (*Head of Department of Mechatronics on newest projects in material science, Tallinn University of Technology*)

15:45 – 16:00

Advanced Materials used in Additive Manufacturing

Dr. Med. Dent. Frank Brückner (*Fraunhofer Institute for Material and Beam Technology (IWS) in Germany*)

AUDITORIUM SINISTRUM No 107

16:00 – 18:00

[CLOSING SESSION: Roundtable discussion - scientific collaboration ideas](#)

Session moderators:

Prof. Andrejs Erglis (*BIRTI: Chairman of the Board; Chairman of the Board of Latvian Regenerative Medicine Association*)

Prof. Talis Juhna (*BIRTI: Member of the Council; Vice-Rector for Research, Riga Technical University*)



Prof. Leonids Ribickis (*Rector, Riga Technical University*)

Prof. Kaspars Vartukapteinis (*Vice-Rector of Latvian University of Agricultural*)

Dr. Med. Vet. Aivars Berzins (*Director of Institute of Food Safety, Animal Health and Environment – “BIOR”*)

Dr. Chem. Osvalds Pugovics (*Director of Latvian Institute of Organic Synthesis*)

Prof. Ivars Kalvins (*Head of scientific council of Latvian Institute of Organic Synthesis*)

Aleksander Milov (*Chairman of the Council “LNK Group”*)

Kirovs Lipmans (*Chairman of the Council of JSC “Grindeks”*)

Salvis Lapins (*Chairman of the Management Board of JSC “Olainfarm”*)

Reviks Vardanjan (*Chairman of SIA Armgate*)

Presentation of „BIRTI Innovation Platform for Material Science Development in the Baltic See Region”