

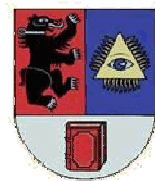
# PROGRAMME

## ***VII IOSTE SYMPOSIUM*** **FOR CENTRAL & EASTERN EUROPE**

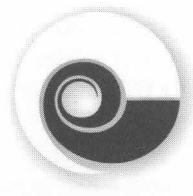
**„DEVELOPMENT OF SCIENCE AND TECHNOLOGY  
EDUCATION IN CENTRAL AND EASTERN EUROPE“**

*14-18 June 2009, Siauliai, Lithuania*

**HOSTED BY:**



**SIAULIAI UNIVERSITY**



**INTERNATIONAL ORGANISATION FOR SCIENCE  
AND TECHNOLOGY EDUCATION**

## SCHEDULE AT A GLANCE

Time	Sunday, 14th June	Monday, 15th June	Tuesday, 16th June	Wednesday, 17th June	Thursday, 18th June		
8.00-8.30	Arrival	Registration	Visit to Zemaitija National Park and Baltic Sea		Cultural program / Departure		
8.30-9.00							
9.00-9.30		Opening Ceremony		Kermote, discussion			
9.30-10.00		Plenary Session		Coffee break			
10.00-10.30							
10.30-11.00						4&5 Panel Session	
11.00-11.30							
11.30-12.00							
12.00-12.30						Lunch	
12.30-13.00							
13.00-13.30							
13.30-14.00							
14.00-14.30				1 Panel Session		Kermote, discussion	
14.30-15.00							
15.30-15.30				Coffee break			
15.30-16.00				2&3 Panel Session		Coffee break	
16.00-16.30							6 & 7 Panel Session
16.30-17.00							
17.00-17.30							
17.30-18.00				Closing Ceremony			
18.00-18.30							
18.30-19.00							
19.00-19.30	Welcome reception						
19.30-20.00				Gala Dinner			

## FULL SCHEDULE (15<sup>th</sup> June 2009)

Plenary Session 10.00-12.00 <i>Chairmen:</i> T.Lakhvich, V.Lamanauskas	<ul style="list-style-type: none"> <li>• <i>Aarne Tõldsepp</i>. The Mathematical and Logical Approaches to R&amp;D Work of Compiling Curricula for Science Education <i>/Estonia/</i></li> <li>• <i>Andris Broks</i>. Ontodidactics Within the Development of Modern Natural Science and Technology Education <i>/Latvia/</i></li> </ul>
1 <sup>st</sup> Panel Session 14.00-15.30 <i>Chairmen:</i> E.Vasilevskaya, A.Broks	<ul style="list-style-type: none"> <li>• <i>Alfредas Lankauskas, Aurelija Pelanskienė</i>. Alternative Energy Education: Why We Must Learn More about Hydrogen Fuel Cell <i>/Lithuania/</i></li> <li>• <i>Renata Bilbokaitė</i>. The Use of Computer Based Visualization in Science Classes: the Aspect of Students' Interest in Learning <i>/Lithuania/</i></li> <li>• <i>Todar Lakhvich</i>. Didactics and Psychology of Visualization Assisted Chemistry Learning for Deaf Students <i>/Republic of Belarus/</i></li> </ul>
2 <sup>nd</sup> Panel Session 16.00-18.00 <i>Chairmen:</i> D.Cedere, M.Bilek	<ul style="list-style-type: none"> <li>• <i>Martin Bilek</i>. Possibilities of Real and Virtual Environment Interaction in Primary Chemistry Education <i>/Czech Republic/</i></li> <li>• <i>Metka Kordigel Aberšek</i>. Integrated Natural Science Education and Children's Fiction: an Opened Question <i>/Slovenia/</i></li> <li>• <i>Edson Rodrigues Santana, Glades Serra, Agnaldo Arroio</i>. Comics as a Cultural Tool to Making Meaning into the Science Classroom <i>/Brazil/</i></li> <li>• <i>Aivars Krons</i>. Visualization in Astronomy at General School <i>/Latvia/</i></li> </ul>
3 <sup>rd</sup> Panel Session 16.00-18.00 <i>Chairman:</i> L.Ragulienė, E.Vasilevskaya	<ul style="list-style-type: none"> <li>• <i>Danuše Nezvalova</i>. Using Portfolio Assessment in Science Teacher Training <i>/Czech Republic/</i></li> <li>• <i>Michael Schallies</i>. Teacher – Scientist – Partnerships (TSP): a Tool for Professional Development in Science Education <i>/Germany/</i></li> <li>• <i>Viktor Khvalyuk, Elena Vasilevskaya, Igor Shimanovich</i>. Reform the Structure and Content of School Chemical Education in Republic of Belarus <i>/Republic of Belarus/</i></li> <li>• <i>Janis Gedrovics, Dagnija Cedere, Daina Mozeika</i>. How Latvian Students Understand the Principles of Substance Changes: Longitudinal Research 1998 – 2008 <i>/Latvia/</i></li> <li>• <i>Todar Lakhvich</i>. Aesthetics of Chemistry Meaning <i>/Republic of Belarus/</i></li> </ul>

## 16<sup>th</sup> June 2009


8.15 – 19.00	Visit to Zemaitija National Park, Museum of Rare Stones, and Baltic Sea
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## FULL SCHEDULE

(17<sup>th</sup> June 2009)

<p style="text-align: center;">Keynote 9.00-10.00 Charman: V.Lamanauskas</p>	<ul style="list-style-type: none"> <li>• <i>Nicos Valanides</i>. Asynchronous Online Discussion: Student Teachers' Arguments when Testing Hypotheses /Cyprus/</li> </ul>
<p style="text-align: center;">4<sup>th</sup> Panel Session 10.30-12.00 Chairmen: H. Čtrnáctová, R..Bilbokaitė</p>	<ul style="list-style-type: none"> <li>• <i>P John Williams</i>. A Critique of the Implementation of Engineering Studies in an Australian School System /Australia/</li> <li>• <i>Arkadijs Vocish</i>. Peculiarities of the Structure and Regulation of Information Markets in the World and in the Latvian Republic /Latvia/</li> <li>• <i>Józefina Turło, Grzegorz Karwasz, Krzysztof Służewski, Andrzej Karbowski, Katarzyna Przegięta</i>. Introduction of History and Philosophy of Science Elements for Curriculum Development /Poland/</li> <li>• <i>Věra Čížková, Hana Čtrnáctová, Tereza Nečesaná</i>. Increasing the Effectiveness of Ecological Education Through Interactive Tasks /Czech Republic/</li> <li>• <i>Tamara Brice</i>. Scientific Research in High School /Latvia/</li> </ul>
<p style="text-align: center;">5<sup>th</sup> Panel Session 10.30-12.00  Chairmen: N. Valanides, V.Šlekienė</p>	<ul style="list-style-type: none"> <li>• <i>Dirceu Donizetti Dias De Souza, Agnaldo Arroio</i>. Argument Analysis of Scholar-Scientific Genres from the Perspective of Toulmin's Model /Brasil/</li> <li>• <i>Stephanie Brooke</i>. Using the Case Method to Teach Online Psychology Classes /USA/</li> <li>• <i>Meryem Nur Aydede, Teoman Kesercioglu</i>. The Effect of Active Learning Based Activities on Students' Views about Scientific Knowledge in Primary School Eight Grade Science Course /Turkey/</li> <li>• <i>Myralena Perri, Nicos Valanides</i>. Primary School Students' Understanding of Air and Atmospheric Pressure: an Effort to Promote Conceptual Change /Cyprus/</li> </ul>
<p style="text-align: center;">Keynote 14.00-15.00 Chairman: A.Töldsepp</p>	<ul style="list-style-type: none"> <li>• <i>Boris Aberšek</i>. Natural Thinking Mechanism and Computer Intelligence in e-Learning Process /Slovenia/</li> </ul>
<p style="text-align: center;">6<sup>th</sup> Panel Session 15.30-17.30  Chairmen: S. Ganina, B.Aberšek</p>	<ul style="list-style-type: none"> <li>• <i>Svetlana Ganina, Ly Sõõrd, Henn Voolaid</i>. The Effect of Dispersed Data Problems and the Binary Equivalent Solving Method on Physics Studying Efficiency /Estonia/</li> <li>• <i>Lolita Jonāne</i>. Didactical Fractal as a Model for Science Teachers' Systemic Vision Development /Latvia/</li> <li>• <i>Myralena Perri, Nicos Valanides</i>. Elementary School Students' Understanding of Sound /Cyprus/</li> <li>• <i>Teresa Sadoń-Osowiecka</i>. Constructing Geographical Knowledge at Polish Grammar School Possibilities &amp; Neglects /Poland/</li> <li>• <i>Marek Frankowicz</i>. Qualifications Framework, Learning Outcomes, Curriculum /Poland/</li> <li>• <i>Fadeev German Nikolaevich, Volkov Alexander Anatolevich, Gastev Sergey Alekseevich</i>. Preparation of Training Courses in Chemistry at MGTU named after N.E. Bauman /Russia/</li> </ul>
	<ul style="list-style-type: none"> <li>• <i>Jan Říha, Lukáš Richterek, František Látal, Ivo Vyšín</i>. Software</li> </ul>

<p>7<sup>th</sup> Panel Session 15.30-17.30</p> <p><i>Chairmen:</i> D. Nezvalova, L.Ragulienė</p>	<p>Mathematica and other Tools in Teaching Physics /<i>Czech Republic</i>/</p> <ul style="list-style-type: none"> <li>• <i>Eubomír Held, Kristína Žoldošová</i>. The Analysis of Aspects Bearing on a Continual Process of Science Education Forming - The Slovak Case /<i>Slovakia</i>/</li> <li>• <i>Adam Hibszer, Mariola Tracz</i>. Training and Additional Schooling of the Science Teachers in Poland after Changes in Educational System /<i>Poland</i>/</li> <li>• <i>Sibel Erduran</i>. Evidence-based Continuing Professional Development for Science Teachers: the Step-in Project Model /<i>United Kingdom</i>/</li> <li>• <i>Danuše Nezvalova, Vincentas Lamanauskas, Zhelyazka D. Raikova, Feyzi Osman Pekel, Nicos Valanides</i>. The Training Modules for Improving Quality of Science Teacher Preparation: Methodological, Procedural, and Didactical Issues /<i>Czech Republic, Lithuania, Bulgaria, Cyprus, Turkey</i>/</li> </ul> <p>• <i>Renata Bilbokaitė</i>. Science Textbooks Visualization in the Educative Process: Aspect of High School Students` Satisfaction /<i>Lithuania</i>/</p>
<p>Poster Session 16.00-17.00</p>	<ul style="list-style-type: none"> <li>• <i>Veronika Kainzová, Jan Říha</i>. Final Evaluation of Pupils` Pre-Concepts at Elementary Schools in the Czech Republic /<i>Czech Republic</i>/</li> <li>• <i>Biruta Briško, Margarita Laicane</i>. Diversity paradigms in education and Socialization Aspect /<i>Latvia</i>/</li> <li>• <i>Frantisek Latal</i>. Application of Software Mathematica and other Tools in Teaching Science /<i>Czech Republic</i>/</li> <li>• <i>Jazeps Logins</i>. Effective Use of School Students Presentations of WebQuest Projects in Chemistry Studies /<i>Latvia</i>/</li> <li>• <i>Anda Priksane, Jazeps Logins, Dagnija Cedere</i>. Factors Affecting Health Science Students Performance in Organic Chemistry /<i>Latvia</i>/</li> <li>• <i>Anna Vintere</i>. Factors Determining Good ICT Use in Science Education /<i>Latvia</i>/</li> <li>• <i>Loreta Ragulienė, Violeta Šlekienė</i>. Peculiarities of Socialization of the Graduates from the School of Additional Education `Fotonas` /<i>Lithuania</i>/</li> <li>• <i>Aleksandr Bulatov, Gitana Kadžienė</i>. Studying of Visual Illusions in Optometric Education /<i>Lithuania</i>/</li> </ul>



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