### The 7th Baltic Conference on Silicate Materials  
"BaltSilica 2016"

#### Scientific Program

**Venue:** Food Science and Technology Competence Centre, Radvilėnų St. 19, Building IV B.

<table>
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<th>Wednesday, 25th of May</th>
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<td>19:00 – 21:00</td>
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<th>Thursday, 26th of May</th>
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<td>08:30 – 09:00</td>
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| 09:00 – 09:20 | Opening ceremony  
Dean of Faculty of Chemical Technology – **Prof. Eugenijus Valatka**  
Head of Department of Silicate Technology – **Prof. Rimvydas Kaminskas** | IV B – 204 |
| 09:20 – 11:20 | Session I | IV B – 204 |
| 11:20 – 11:50 | Refreshments, posters and exhibition | IV B – 303 |
| 11:50 – 13:30 | Session II | IV B – 204 |
| 13:30 – 14:30 | Lunch break, posters and exhibition | IV C – 169  
IV B – 303 |
| 14:30 – 16:10 | Session III | IV B – 204 |
| 18:00 – 19:00 | Excursion | Santaka Valley,  
K. Baršausko St. 59 |
| 19:00 – 21:00 | Conference dinner | Santaka Valley,  
K. Baršausko St. 59 |

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<th>Friday, 27th of May</th>
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<td>09:30 – 11:20</td>
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| 09:20 – 09:50 | Plenary lecture: “Modification of cementitious materials by CO$_2$ treatment”  
Prof. Detlef Heinz (Germany) |
| 09:50 – 10:20 | Plenary lecture: “MgO based cement as an inorganic binder for hemp hurds composites”  
Prof. Nadežda Števulová (Slovakia) |
| 10:20 – 10:40 | Oral presentation: “Highly porous ceramic produced by slip casting”  
Assoc. Prof. Visvaldis Švinka (Latvia) |
| 10:40 – 11:00 | Oral presentation: “Application of waste materials as a potential biosorbents for Cu(II) and Zn(II) removal”  
Dr. Marian Holub (Slovakia) |
| 11:00 – 11:20 | Oral presentation: “Leaching of the Phase-separated Glasses in Na$_2$O-B$_2$O$_3$-SiO$_2$-Fe$_2$O$_3$ system”  
PhD student Marina Konon (Russia) |

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<tr>
<th>Time</th>
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Dr. Xiangming Zhou (UK) |
Prof. Martin-Tchingnabé Palou (Slovakia) |
| 12:50 – 13:10 | Oral presentation: “Photocatalytic activity of clay ceramic pellets coated with ZnO nanoparticles”  
Assoc. Prof. Ruta Švinka (Latvia) |
Prof. Kęstutis Baltakys (Lithuania) |

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<th>Time</th>
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| 14:30 – 15:00 | Plenary lecture: “Nanostructure-Enhanced Catalysis and Adsorption on Silica-Based Materials”  
Prof. Izabela Nowak (Poland) |
| 15:00 – 15:30 | Plenary lecture: “Effect of calcination temperature and time to the internal morphology, structural, diffusional and catalytic properties of Fe$_2$O$_3$-Cr$_2$O$_3$ porous material”  
Dr. Andrei Rotaru (Romania) |
Ing. Eva Koudelková (Czech Republic) |
| 15:50 – 16:10 | Oral presentation: “Investigation of alkali resistance of different refractory materials”  
Dr. Valentin Antonovič (Lithuania) |
### Session IV

**Chairman:** Prof. Izabela Nowak

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<th>Time</th>
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| 09:30 – 10:00 | **Plenary lecture:** “High silica containing enamels with sol-gel films for stainless steel”  
**Prof. Gundars Mežinskis** (Latvia) |
| 10:00 – 10:20 | **Oral presentation:** “A comparative study of $\alpha$-C$_2$SH and hydrotalcite adsorption capacities”  
**Dr. Agnė Bankauskaitė** (Lithuania) |
| 10:20 – 10:40 | **Oral presentation:** “Mesoporous silicas with hexagonal pore ordering and organic groups containing sulfur”  
**Dr. Agata Wawrzyńczak** (Poland) |
| 10:40 – 11:00 | **Oral presentation:** “Czech metakaolin in Stabilized Rammed Earth – substitution as a potential binder”  
**Dr. Clayton Stone** (Slovakia) |
| 11:00 – 11:20 | **Oral presentation:** “Investigating synthesis conditions and activator ratios on the properties of geopolymers based on mining and glass waste”  
**PhD student Gediminas Kastiukas** (UK) |

### Session V

**Chairman:** Dr. Valentin Antonovič

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**Dr. Rimantas Levinskas** (Lithuania) |
| 12:10 – 12:30 | **Oral presentation:** “Low temperature ceramic materials via alkaline activation of illite clays”  
**Assoc. prof. Ingunda Šperberga** (Latvia) |
| 12:30 – 12:50 | **Oral presentation:** “Potential utilization of recycled waste paper fibers in the cement composites”  
**PhD student Viola Hospodárová** (Slovakia) |
| 12:50 – 13:10 | **Oral presentation:** “Verification of available glass mechanical properties against recommendation by draft Eurocode design practice”  
**PhD student Liene Šable** (Latvia) |
| 13:10 – 13:30 | **Oral presentation:** “Behavior of illite clay mineral by differential treatments”  
**PhD student Martins Randers** (Latvia) |

### Session VI

**Chairman:** Prof. Kęstutis Baltakys

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| 14:30 – 14:50 | **Oral presentation:** “Influence of calcined mica clay on the hydration process of OPC”  
**Dr. Raimonda Kubiliūtė** (Lithuania) |
| 14:50 – 15:10 | **Oral presentation:** “Phase Transitions in Sn$_x$S$_y$ thin films induced by Nd:YAG pulsed laser radiation”  
**PhD student Liga Grase** (Latvia) |
| 15:10 – 15:30 | **Oral presentation:** “Microfillers for OPC from industrial waste materials”  
**Dr. Irmantas Barauskas** (Lithuania) |