



Dear Concrete Specialists and Colleagues!

We invite you to participate in the **XXVII Scientific and Technological Conference of Latvian Concrete Association (LCA)**, which will take place on **November 1, 2018, in the International Exhibition Centre RTU-BT1 (Ķīpsalas st. 8, Riga), conference hall**. Conference opening at 9.00, registration of participants - from 8.00. LBS members and conference guests are required to register online by October 20, or inform the LCA Board about their arrival by phone. 29160832, 29151884, or send by e-mail: [genadijs.sahmenko@rtu.lv](mailto:genadijs.sahmenko@rtu.lv) vai [valapsa@latnet.lv](mailto:valapsa@latnet.lv) **(the number of available places is limited!)**.

<b>8:00-9:00</b>		<b>Registration, Welcome coffee</b>	
<b>9:00</b>	LCA Board		Conference opening
<b>Session 1. Actual problems: frost resistance, durability</b>			
1. <b>9:15</b>	Tomasz Nowacki, Cyprian Pełczyński	STACHEMA Polska Sp z o.o.	Methods for testing the frost resistance of concrete with respect to the assessment of concrete durability
2. <b>9:35</b>	Valdis Zvejnieks	RTU BL	Concrete frost resistance problems in Latvia
3. <b>9:50</b>	Aleksejs Tatarinovs, G. Šahmenko	RTU	Innovative methods for ultrasonic control of frost resistant test
4. <b>10:00</b>	Artūrs Lukašenoks	LCA	LCA: Concrete frost resistance.
5. <b>10:10</b>	Rolands Cepurītis (moderator)	LCA	Panel discussion on concrete frost resistance
<b>10:45-11:30</b>		<b>Coffee break, exhibition, discussions</b>	
<b>Session 2. Concrete protection, advanced technologies</b>			
6. <b>11:30</b>	Adrian Pflieger	German Concrete Association	Concrete structural waterproofing and self-healing membrane technology
7. <b>11:50</b>	David Simpson, Aleksandrs Kapusts	Vector Corrosion Tech. Ltd., Canada; KOSTER Bauchemie AG., Germany	Innovative Solutions for Concrete Protection
8. <b>12:10</b>	Rimvydas Stonys, Valentin Antonovič, Andrius Kudžma	VG TU, Lithuania	Nano-modified cement compositions with Graphene Oxide
9. <b>12:20</b>	Oļegs Sokolovs, Raimonds Osikovskis	DOKA, Latvia	Concrete molding system in the construction of the Doha metro
10. <b>12:45</b>	P.L. Ng	Honkong, VG TU	Theoretical and practical aspects on durability of concrete structures
11. <b>13:00</b>	Egīls Emersons	SIA Materiāli	Modern technologies for concrete joints and planned cracks
<b>13:10-14:00</b>		<b>Lunch, exhibition, discussions</b>	
<b>Session 3. Fiberconcrete, vibro-pressed and roller-compacted concrete, innovations</b>			
12. <b>14:00</b>	Heiko Herrmann	TTU, Estonia	New experimental results about bending test and fiber orientations in fiber concrete
13. <b>14:20</b>	Aldis Zēģelis	Primekss Ltd.	Concrete curing in slab structures: comparison of method and material performance
14. <b>14:40</b>	Lelde Dembovska	Cemex Latvia	Experience of roller-compacted concrete implementation in Latvia
15. <b>15:00</b>	Kristaps Kans	NordBrik, Latvia	Production of vibro-pressed concrete units in Latvia and development trends
16. <b>15:15</b>	Videvuds Ā. Lapsa, Andrejs Krasnikovs	RTU	RTU last year inventions for Civil engineering
17. <b>15:30</b>	Irina Švecova	RTU	Magnesium cement from dolomite rock
<b>15:40 - 16:00</b>		<b>Break, discussions</b>	
<b>16:00-17:45</b>		<b>Latvian XVI Concrete Olympiad</b>	
Latvian XVI Concrete Olympiad will take place in RTU Laboratory house, room 101. The aim of the Olympiad competition is the precision of technology - to achieve compressive strength with the least average deviation from the given strength of 100 MPa. The participants submit 3 marked samples 100x100x100 mm when registration.			
<b>17:45-18:15</b>		<b>Conclusion, competition award</b>	
<b>Exhibition, poster session (during breaks)</b>			
	Videvuds Ā. Lapsa, Andis Žvīriņš	RTU	Facade thermal insulation panel
	Egīls Emersons	SIA Materiāli	Modern technologies for concrete joints and planned cracks
	Ainārs Jocis	SIA Warmhouse	Effective foam concrete thermoblocks
	Māris Šinka	RTU	Hempcrete green composite wall construction

Members of the Latvian Concrete Association and contributors pay their membership fees to the Latvian Material Research Association (LMPB) account: Reg. From 4000800459, bank account: LV96HABA 0551033598119, Swedbank AS. In the transfer, please indicate the purpose – for Latvian Concrete Association, organization of conferences and seminars. Individual members pay € 10 per year, but corporate members (companies) - € 100 per year or more, according to their options. If you need an invoice and in other cases, please contact LMPB Secretary Dr. sc. ing. Agnese PŪRA, Phone: 67089605; e-mail: [agnese.pura@rtu.lv](mailto:agnese.pura@rtu.lv).