

Forum Wood Building Baltic 2019 Program

Wednesday, 27.02.2019		
12:00–18:00	Pre-conference tour	
19:00–21:00	Welcome Reception	
Thursday, 28.02.2019		
8:00 – 9:15	Registration. Tea & coffee break Opening Indoor Exhibition	
9:15	Welcome	
9:30 – 11:00	Keynote session Stefan Winter. New generation of Eurocodes - with a special eye on Eurocode 5 Technical University of Munich, Germany Kristina Mjörnell. Moisture safety of construction of wooden buildings RISE Research Institutes of Sweden	
11:00 – 11:30	Tea & coffee break. Exhibition	
11:30 – 13:00	Moisture safety in design and construction and maintenance,	Cross Laminated Timber
Parallel sessions		
11:30 – 12:00	Moisture safety ETICS façade on timber framer wall Jesper Arfvidsson Lund University, Sweden	Fire resistance design models for CLT floors and walls Joachim Schmid, Michael Klippel, ETH Zürich, Switzerland
12:00 – 12:30	Hygrothermal performance of a wood-frame wall assembly for a high-rise building Hua Ge, Lin Wang Concordia University, Canada	Slotted-in steel plate connections with self-perforating dowels in CLT Eero Tuhkanen, Tallinn University of Technology, Estonia
12:30 – 13:00	Validation of the MRD mould model by attic case studies in northern Sweden Thor Hansen, SBi/AAU, Denmark Petter Wallenten, Lund University, Sweden	Costs and procurement for CLT in mid-rise buildings Anne Gunnarshaug Lien; Nicola Lolli, SINTEF AS, Norway
13:00 – 14:00	Lunch. Exhibition	
14:00 – 15:30	Hygrothermal behaviour of building envelope systems	Baltic experience on prefabricated wooden structures, elements and modules
Parallel sessions		
14:00 – 14:30	Influence of local weather conditions on ventilation of a pitched wooden roof. Lars Gullbrekken, SINTEF, Norway Nora Bunkholt Schjøth, Tore Kvande NTNU, Norway	Low Energy consumption façade pilot project Karlis Bumanis, Karlis Pugovics Forest and Wood Products Research and Development Institute, Latvia
14:30 – 15:00	The effect of repeated moisture cycles on the air tightness of traditional clamped vapour barrier joints Stig Geving, Øyvind Norvik, NTNU, Norway Lars Gullbrekken, SINTEF, Norway	Helsinki National Library that involve a mass of twisted timber Tõnis Vaiksaar, Terje Alliksoo, Timbeco, Estonia

15:00 – 15:30	Moisture proof cathedral roofs, the risk of mould using a vapour retarder Petter Wallenten, Lund University, Sweden Oscar Eriksson, Dry-It, Sweden	Prefabricated wooden frame multi-storey apartment buildings: Challenges in constructing the world's tallest timber building TREET Andrus Leppik, Elar Vilt, Kodumaja, Estonia
15:30 – 15:45 (Posters - a 3 min + discussion during tea & coffee break)	<ol style="list-style-type: none"> Primary energy and economic performance of cost-optimal retrofit measured for a district heated building Ambrose Doodoo, Linnaeus University, Sweden A case study on construction of CLT building without preliminary roof Eneli Liisma, Babette Liseth Kuus Merko Ehitus Eesti AS, Estonia Villu Kukk, Targo Kalamees, Tallinn University of Technology, Estonia Field measurements of a MHM envelope with ETICS Villu Kukk, Targo Kalamees, Jaan Kers, Tallinn University of Technology, Estonia Influence of window details on the energy performance of an nZEB Kristo Kalbe, Targo Kalamees, Tallinn University of Technology, Estonia Development of airtightness of Estonian wooden buildings Jaanus Hallik, Targo Kalamees, Tallinn University of Technology, Estonia 	<ol style="list-style-type: none"> Fire protection provided by clay and lime plasters Johanna Liblik, Alar Just, Tallinn University of Technology, Estonia Judith Küppers. Technical University of Braunschweig, Germany HiTimber project – to increase competence in timber construction Mihkel Urmet, TEMPT Architects, Estonian Woodhouse Association, Estonia; Opening indoor hygiene SME's exports to Middle East construction markets Lauri Kivil, Estonian Woodhouse Association, Estonia The future of construction will be offsite and wood will play an important part in the change Lauri Tuulberg, Welement AS, Estonia Thermal properties of insulation boards made of tree bark & hemp residues Konstantinos Ninikas, George Ntalos, Michalis Skarvelis, University of Applied Sciences of Thessaly, Greece Nicholas Hytiris, Glasgow Caledonian University, Scotland, U.K
15:45 – 16:15	Tea & coffee break. Poster discussion. Exhibition	
16:15 – 17:45 Parallel sessions	nZEB wooden buildings	Fire resistance of timber structures
16:15 – 16:45	Moisture safety of the construction with VCL using Hygrobrid technology Martin Polikarpus, Daniel Kehl, SIGA Cover AG, Switzerland	Fire resistance of punched metal plate connector joints in timber structures" Edgars Bukšāns, Uldis Spulle. Forest and Wood Products Research and Development Institute, Latvia; Latvia University of Life Science and Technologies
16:45 – 17:15	Comfort assessment and energy use of two nZEBs in Norway Nicola Lolli, Anne Gunnarshaug Lien, SINTEF, Norway	Fire design of initially protected CLT Katrin Nele Mäger, Kairit Kraudok, Johanna Liblik, Alar Just Tallinn University of Technology, Estonia; RISE Research Institutes of Sweden
17:15 – 17:45	Energy performance, indoor air quality and comfort in new nearly zero energy day care centres in Northern climatic conditions, Kalle Kuusk ¹ , Ahmed Kaiser ² , Nicola Lolli ³ , Jan Johansson ⁴ , Tero Hasu ⁵ , Anne Gunnarshaug Lien ² , Endrik Arumägi ¹ , Kristo Kalbe ¹ , Jaanus Hallik ¹ , Jarek Kurnitski ² , Targo Kalamees ¹ ¹ Tallinn University of Technology,	Fire design of timber frame assemblies – a proposal for the next revision of EN 1995-1-2 Mattia Tiso, Alar Just Tallinn University of Technology

	Estonia; ² Aalto University, Finland; ³ SINTEF, Norway; ⁴ Växjö Kommun, Sweden; ⁵ Kouvola Innovation Ltd., Finland
19:00 – 22:00	Conference Dinner

Friday, 1.03.2019	
8:00 – 9:00	Registration. Tea & coffee break. Poster discussion. Exhibition
9:00 – 11:00 Parallel sessions	Renovation of wooden buildings Wooden buildings
9:00 – 9:30	<p>Towards upgrading strategies for nZEB-dwellings in Norway Lars Gullbrekken, Time, Berit SINTEF, Norway</p> <p>A Model for Pyrolysis and Oxidation of Two Common Structural Aleksi Toivo Eemeli Rinta-Paavola, Simo Hostikka. Aalto University, Finland</p>
9:30 – 10:00	<p>Effect of structural frame materials on lifecycle impacts of buildings Ambrose Dodoo, Linnaeus University, Sweden</p> <p>Fire design method of timber frame elements with bio-based insulation Norman Werther, Veronika Hofmann, Elisabeth Kammerer, Michael Rauch, Stefan Winter, Technical University of Munich, Germany. Katrin Mäger Tallinn University of Technology, Estonia</p>
10:00 – 10:30	<p>Testing of moisture safety and energy performance quality commission process of nZEB renovation with prefabricated timber frame insulation elements Peep Pihelo, Targo Kalamees, Tallinn University of Technology, Estonia</p> <p>Acoustic comfort investigation in residential timber buildings in Sweden Delphine Bard, Nikolaos-Georgios Vardaxis, Elin Sondergard, Lund University, Sweden; Saint-Gobain Nordics and Baltics, Denmark</p>
10:30 - 11:00	<p>Revitalization of wooden apartments as a tool to deal with shrinkage – case study from Valga Jiri Tintera, Aime Ruus, Tallinn University of Technology, Estonia</p> <p>Smarthousing Småland Kirsi Järnerö, RISE Research Institutes of Sweden</p>
11:00 – 11:30	Tea & coffee break. Poster discussion. Exhibition
11:30 – 13:00	<p>Keynote session: Hermann Kaufmann, Architectural Design and Timber Construction Hermann Kaufmann + Partner ZT GmbH, Austria Lars Gullbrekken, Climate adaptation of pitched wooden roofs SINTEF, Norway</p>
13:00-13:30	Closing session
13:30 – 14:00	Grab N Go Lunch. Exhibition