

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 look at Eurocode 5 Technical University of Munich, Germany Kristina Mjörnell. Moisture safety of wooden buildings – design, construction and operation RISE Research Institutes of Sweden	
11:00–11:30	Tea & coffee break. Exhibition	
11:30–13:00 Parallel sessions	Moisture safety in design and construction and maintenance	Cross Laminated Timber
11:30–12:00	ETICS façade on timber framed wall – Swedish experience Jesper Arfvidsson Lund University, Sweden	An improved design models for fire exposed CLT floor elements 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 Wallentén, 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 Parallel sessions	Hygrothermal behaviour of building envelope systems	Baltic experience on prefabricated wooden structures, elements and modules
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's new Central Library Timo Urva, Karel Koitla, Indrek Tiits Timbeco Woodhouse OÜ, Estonia

15:00–15:30	Moisture proof cathedral roofs, the risk of mould using a vapour retarder Petter Wallentén Lund University Sweden Oscar Eriksson Dri-IT, Sweden	Prefabricated wooden frame multi-storey apartment buildings Andrus Leppik, Elar Vilt Kodumaja, Estonia
15:30–15:45 (Posters – a 3 min + discussion during tea & coffee break)	1. Primary energy and economic performances of cost-optimal retrofit measures for a Swedish building Ambrose Dodoo, Linnaeus University, Sweden	1. Fire protection provided by clay and lime plasters Judith Küppers Technical University of Braunschweig, Germany
	2. A case study on construction of CLT building without preliminary roof Eneli Liisma, Babette Liseth Kuus Merko Ehitus Eesti AS, Estonia Villu Kukkk, Targo Kalamees Tallinn University of Technology, Estonia	2. HiTimber project – to increase competence in timber construction Mihkel Urmet TEMPT Architects, Estonian Woodhouse Association, Estonia
	3. Field measurements of a MHM envelope with ETICS Villu Kukkk, Targo Kalamees, Jaan Kers Tallinn University of Technology, Estonia	3. Opening indoor hygiene SME's exports to Middle East construction markets Lauri Kivil Estonian Woodhouse Association, Estonia
	4. Influence of window details on the energy performance of an nZEB Kristo Kalbe, Targo Kalamees Tallinn University of Technology, Estonia	4. The future of construction will be offsite and wood will play an important part in the change Lauri Tuulberg Welement AS, Estonia
	5. Development of airtightness of Estonian wooden buildings Jaanus Hallik, Targo Kalamees, Tallinn University of Technology, Estonia Johanna Liblik, Alar Just Tallinn University of Technology, Estonia	5. 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	Nearly zero energy wooden buildings: day-care centres from NERO project 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, Estonia; ² Aalto University, Finland; ³ SINTEF, Norway; ⁴ Växjö Kommun, Sweden; ⁵ Kouvola Innovation Ltd., Finland	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
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	Towards upgrading strategies for nZEB-dwellings in Norway Lars Gullbrekken Time, Berit SINTEF, Norway	A Model for Pyrolysis and Oxidation of Two Common Structural Timbers Aleksi Toivo Eemeli Rinta-Paavola, Simo Hostikka Aalto University, Finland
9:30–10:00	Effect of structural frame materials on lifecycle impacts of buildings Ambrose Dodoo Linnaeus University, Sweden	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
10:00–10:30	Testing of moisture safety and energy performance quality commission process of nZEB renovation Peep Pihelo, Targo Kalamees Tallinn University of Technology, Estonia	Acoustic comfort investigation in residential timber buildings in Sweden Delphine Bard, Nikolaos-Georgios Vardaxis,; Elin Söndergard Lund University, Sweden; Saint-Gobain Nordics and Baltics, Denmark
10:30–11:00	Revitalization of wooden apartments as a tool to deal with shrinkage – case study from Valga Jiri Tintera, Aime Ruus Tallinn University of Technology, Estonia	Smarthousing Småland Kirsi Järnerö RISE Research Institutes of Sweden
11:00–11:30	Tea & coffee break. Poster discussion. Exhibition	
11:30–13:00	Keynote session: Hermann Kaufmann, Architectural Design and Timber Construction Hermann Kaufmann + Partner ZT GmbH, Austria Lars Gullbrekken, Climate adaptation of wooden roofs SINTEF, Norway	
13:00–13:30	Closing session	
13:30–14:00	Grab N Go Lunch. Exhibition	