

FORUM WOOD BUILDING BALTIC 2019 PROGRAM

WEDNESDAY, 27.02.2019		
19:00–21:00	Welcome Reception SMALL HALL, TALLINN CREATIVE HUB	
THURSDAY, 28.02.2019		
8:00–9:00	Registration. Tea & coffee break Opening Indoor Exhibition, ATRIUM	
9:00 – 9:30	Welcome CAULDRON HALL	
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 Session Chair: Alar Just, Tallinn University of Technology Estonia CAULDRON HALL	
11:00–11:30	Tea & coffee break. Exhibition, ATRIUM	
11:30–13:00 Parallel sessions	Moisture safety in design and construction and maintenance Session Chairs: Kristina Mjörnell, Endrik Arumägi SMALL HALL	Cross Laminated Timber Session Chairs: Norman Werther, Johanna Liblik WOODBLOCK HALL
11:30–12:00	ETICS façade on timber framed wall – Swedish experience J. Arfvidsson, Lund University, Sweden	An improved design model for fire exposed CLT floor elements J. Schmid, M. Klippel, ETH Zürich, Switzerland
12:00–12:30	Hygrothermal performance of a wood-frame wall assembly for a high-rise building H. Ge, L. Wang, Concordia University, Canada	Slotted-in steel plate connections with self-perforating dowels in CLT E. Tuhkanen, Tallinn University of Technology, Estonia
12:30–13:00	Validation of the MRD mould model by attic case studies in northern Sweden T. Hansen, SBI/AAU, Denmark; P. Wallenten, Lund University, Sweden	Costs and procurement for CLT in mid-rise buildings A. Gunnarshaug Lien; N. Lolli, SINTEF AS, Norway
13:00–14:00	Lunch. Exhibition, ATRIUM	
14:00–15:30 Parallel sessions	Hygrothermal behaviour of building envelope systems Session Chairs: Hua Ge, Anatolijs Borodinecs SMALL HALL	Baltic experience on prefabricated wooden structures, elements and modules Session Chairs: Edgars Buksans, Katrin Nele Mäger WOODBLOCK HALL
14:00–14:30	Influence of local weather conditions on ventilation of a pitched wooden roof N. Bunkholt, T. Kvande, L. Gullbrekken, NTNU, SINTEF, Norway	Low Energy consumption façade pilot project K. Bumanis, K. Pugovics, MeKA, Latvia
14:30–15:00	The effect of repeated moisture cycles on the air tightness of traditional clamped vapour barrier joints S. Geving, Ø. Norvik, L. Gullbrekken, NTNU, SINTEF, Norway	Helsinki's new Central Library T. Urva, K. Koitla, I. Tiits, Timbeco Woodhouse OÜ, Estonia
15:00–15:30	Moisture proof cathedral roofs, the risk of mould using a vapour retarder P. Wallentén, O. Eriksson, Lund University, Dri-IT, Sweden	Prefabricated wooden frame multi-storey apartment buildings A. Leppik, Kodumaja, Estonia
15:30–15:45 (Posters – a 3 min + discussion during tea & coffee break)	Primary energy and economic performances of cost-optimal retrofit measured for a district heated building A. Dodo, Linnaeus University, Sweden	Fire protection provided by clay and lime plasters J. Liblik, B. Maaten, A. Just, J. Küppers, Tallinn University of Technology, Estonia, Technical University of Braunschweig, Germany
	A case study on construction of CLT building without preliminary roof E. Liisma, B. L. Kuus, V. Kukkk, T. Kalamees, Merko Ehitus Eesti AS; Tallinn University of Technology, Estonia	HiTimber project – to increase competence in timber construction M. Urmet, TEMPT Architects, Estonian Woodhouse Association, Estonia
	Field measurements of a MHM envelope with ETICS V. Kukkk, T. Kalamees, J. Kers, Tallinn University of Technology, Estonia	Opening indoor hygiene SME's exports to Middle East construction markets L. Kivil, Estonian Woodhouse Association, Estonia
	Influence of window details on the energy performance of an nZEB K. Kalbe, Targo Kalamees Tallinn University of Technology, Estonia	The future of construction will be offsite and wood will play an important part in the change L. Tuulberg, Welement AS, Estonia
	Development of airtightness of Estonian wooden buildings J. Hallik, T. Kalamees, Tallinn University of Technology, Estonia	Thermal properties of insulation boards made of tree bark & hemp residues K. Ninikas, G. Ntalos, M. Skarvelis, N. Hytiris, T.E.I. of Thessaly, Greece; Glasgow Caledonian University, Scotland, U.K

15:45–16:15	Tea & coffee break. Poster discussion. Exhibition, ATRIUM	
16:15–17:45 Parallel sessions	nZEB wooden buildings Session Chairs: Lars Gullbrekken, Jesper Arfvidsson SMALL HALL	Fire resistance of timber structures Session Chairs: Joachim Schmid, Alar Just WOODBLOCK HALL
16:15–16:45	Moisture safety of the construction with VCL using Hygrobrid technology M. Polikarpus, D. Kehl, SIGA Cover AG, Switzerland	Fire resistance of punched metal plate connector joints in timber structures E. Bukšāns, U. Spulle, MeKA; LLU, Latvia;
16:45–17:15	Timber construction in winter – how to achieve a protected timber structure M. Förster, Pro Clima, Germany	
17:15–17:45	Comfort assessment of two nZEBs in Norway N. Lolli, A. Gunnarshaug Lien SINTEF, Norway	Fire design of initially protected CLT K. N. Mäger, K. Kraudok, J. Liblik, A. Just, Tallinn University of Technology, Estonia; RISE, Sweden
	Nearly zero energy wooden buildings: day-care centres from NERO project K. Kuusk et.al., Tallinn University of Technology, Estonia; Aalto University, Finland; SINTEF, Norway; Växjö Kommun, Sweden; Kouvola Innovation Ltd., Finland	Fire design of timber frame assemblies – a proposal for the next revision of EN 1995-1-2 M. Tiso, A. Just, Tallinn University of Technology
19:00–22:00	Conference Dinner, CAULDRON HALL	
FRIDAY, 1.03.2019		
8:00–9:00	Registration. Tea & coffee break. Poster discussion. Exhibition, ATRIUM	
9:00–11:00 Parallel sessions	Renovation of wooden buildings Session chairs: Karlis Pugovics, Kalle Kuusk SMALL HALL	Wooden buildings Session Chairs: Mattia Tiso, Eero Tuhkanen WOODBLOCK HALL
9:00–9:30	Towards upgrading strategies for nZEB-dwellings in Norway L. Gullbrekken, B. Time, SINTEF, Norway	A Model for Pyrolysis and Oxidation of Two Common Structural Timbers A. Rinta-Paavola, S. Hostikka, Aalto University, Finland
9:30–10:00	Effect of structural frame materials on lifecycle impacts of buildings A. Doodoo, Linnaeus University, Sweden	Fire design method of timber frame elements with bio-based insulation N. Werther, V. Hofmann, E. Kammerer, M. Rauch, S. Winter, K. N. Mäger, TUM, Germany; Tallinn University of Technology, Estonia
10:00–10:30	Testing of moisture safety and energy performance quality commission process of nZEB renovation P. Pihelo, T. Kalamees, Tallinn University of Technology, Estonia	Acoustic comfort investigation in residential timber buildings in Sweden D. Bard, N.-G. Vardaxis, E. Sondergard, Lund University, Sweden; Saint-Gobain, Denmark
10:30–11:00	Revitalization of wooden apartments as a tool to deal with shrinkage – case study from Valga A. Ruus, J. Tintera, Tallinn University of Technology, Estonia	Smart housing and sustainable built environment based on glass and wood K. Järnerö, M. Ludvigsson, M. Löfving, RISE; Träcentrum Nässjö Kompetensutveckling AB, Sweden
11:00–11:30	Tea & coffee break. Poster discussion. Exhibition, ATRIUM	
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 Session Chair: Targo Kalamees, Tallinn University of Technology Estonia SMALL HALL	
13:00–13:30	Closing session SMALL HALL	
13:30–14:00	Grab N Go Lunch. Exhibition, ATRIUM	