

Construction technology, methods, and industrialization



Moderator & Speaker

**Timber structures as an alternative for large scale buildings.
Some Lessons from 50 years of developments and realized
prototypes in Central Europe**

Wolfgang Winter

(Faculty of Architecture and Planning, Vienna University of Technology)



Speaker

**One-piece production of buildings, special solutions to general
solutions**

~Industrialization of wooden construction and woodification~

Wataru Ebisawa

(MITSUBISHI ESTATE CO.,LTD)



Speaker

Mass Timber & Hybrid Structures

Nicholas James Milestone

(TRADA)



Speaker

The Industrialization of the Construction Industry

George Nicholas Konstandakos

(Lendlease)



Speaker

**Next Generation Industry of Wooden Architecture through Digital
Fabrication**

Koki Akiyoshi

(VUILD Inc.)

Fireproofing



Moderator

Mamoru Kohno

(Graduate School of Science and Technology, Tokyo University of Science)



Speaker

Fire Performance of Mass Timber Construction – Canadian Perspective

Christian Dagenais

(FPInnovations)



Speaker

Heat delamination in cross laminated timber

Samuel L. Zelinka

(USDA Forest Service)



Speaker

Ongoing studies for fire safety of timber buildings in France. Focus on facade fire tests and simulations

Grégoire Pianet

(Institut Technologique FCBA)



Speaker

Fire design of engineered wood structures according to Eurocode 5

Alar Just

(Department of Civil Engineering and Architecture, Tallinn University of Technology)



Speaker

Development of fireproof technology for the realization of medium- and high-rise wooden buildings and introduction of buildings using that technology

Atsunari Hanai

(TAKENAKA CORPORATION)



Speaker

Research and development for the promotion of timber buildings using new fire safety evaluation methods

Junichi Suzuki

(National institute for land and infrastructure Management)

Seismic risk, Structural resistance



Moderator & Speaker

Long Term Measurement of Historic Timber Structures and Application to Structural Health Monitoring

Kaori Fujita

(Graduate School of Engineering, The University of Tokyo)



Speaker

SEISMIC PERFORMANCE OF MASS TIMBER SYSTEMS – CANADIAN ASPECTS

Marjan Popovski

(FPInnovations)



Speaker

Shake-table Testing of A Full-scale Ten-story Mass Timber Building

Shiling Pei

(Civil and Environmental Engineering, Colorado School of Mines)



Speaker

Wind and earthquake vibration control of Timber building by using an inerter based device.

Thomas Catterou

(Institut Technologique FCBA)



Speaker

Trends in large and mid-rise timber buildings in Japan

Yasuhiro Araki

(National Institute for Land and Infrastructure Management)



Speaker

Low-damage mass timber structures with improved seismic resilience

Minghao Li

(Department of Civil and Natural Resources Engineering, University of Canterbury)

Acoustic and vibration performance



Moderator & Speaker

French acoustics in-situ flanking transmissions measurements facility for high-rise wooden buildings

Jean-Luc Kouyoumji
(Institut Technologique FCBA)



Speaker

Floor impact sound insulation performance of wood Buildings

Atsuo Hiramitsu
(National Institute for Land and Infrastructure Management)



Speaker

Silent Wood

Heinz Joachim Ferk
(Building Science Lab, IBPSC, Graz University of Technology)



Speaker

Laboratory measurements on different wooden floor structures

Delphine Marguerite Bard Hagberg
(Department of Construction Sciences, Lund University)



Speaker

Acoustic and vibration performance of Cross Laminated Timber Buildings

Jeffrey Mahn
(National Research Council Canada)



Speaker

Sound insulation in high rise CLT residential buildings

Klas Göran Hagberg
(Acouwood AB)

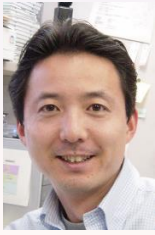


Speaker

Heavy-weight floor impact sound in the building using CLT panels.

Susumu Hirakawa
(Building Research Institute)

Other technical challenges: e.g., durability



Moderator & Speaker

Design for Durability of Mid or High Rise Timber Buildings.

Shiro Nakajima

(Faculty of Regional Design, Utsunomiya University)



Speaker

Durability Matters on Tall Timber Buildings

Stephan Ott

(Department of Civil, Geo and Environmental Engineering, Technical University Munich)



Speaker

Durability and Moisture Management of Tall Wood Buildings

Jieying Wang

(FPInnovations)



Speaker

Climate adaptation of wooden buildings – risk reduction by moisture control

Berit Time

(SINTEF Community)



Speaker

Examination of performance standards regarding the durability performance of the outer skin of medium- and high-rise wooden buildings

Yasuhiko Okura

(ARCHITECTURAL LABORATORY FOR SYSTEMS. ENVIRONMENT & DEVELOPMENT)

Forestry resources for timber construction



Moderator

Takahiro Tsuchimoto

(Building Research Institute)



Speaker

Wood use for sustainable forests

Asako Nagano

(New Business and Food Industry Policy Division, Ministry of Agriculture, Forestry and Fisheries (previous Director, Wood Utilization Division, Forest Agency))



Speaker

State of Mass Timber in Canada

Jeffrey Michael Biggs

(Natural Resources Canada, Government of Canada)



Speaker

Current condition of forests, and timber utilization in Japan

Ichiro Nakajima

(Sumitomo Forestry Co., Ltd.)



Speaker

Recycling and recovery of wooden and wood-based products – experiences from a European innovation project

Anna Maria Wagner

(Department of Civil, Geo and Environmental Engineering, Technical University Munich)



Speaker

Material flow and sustainability impacts of wood utilization

Yutaka Goto

(Department of Architecture and Civil Engineering, Chalmers University of Technology)



Speaker

Forestry resources for timber construction

Nicolas DOUZAIN-didier

(FNB)