

# The Promotion of wooden architecture and the SDGs

Date and time : October 17 (Sunday), 2021 01:00PM - 03:00PM

Venue : Kyoto International Conference Center, Room A

## Purpose of this Session

Wooden buildings and the SDGs (Sustainable Development Goals) are deeply related to each other. Constructing long-life buildings using wood will fix the wood's carbon for long periods of time and eventually achieve Goal 13 (Climate Action). The sustainable management of artificial forests is related to Goal 15 (Life on land). During disasters, safe and secure buildings contribute to Goal 11 (Sustainable Cities and Communities). High environmental performance buildings contribute to Goal 7 (Affordable and Clean Energy) as well as Goal 3 (Good Health and Well-Being). Wooden buildings have a great responsibility to go carbon neutral society in pursuit of several goals.

A house is notably the largest purchase in most people's lives. It also becomes a good teaching opportunity to realize and learn Goal 12 (Responsible Consumption and Production). If we consider a home's supply chains, local forestry operators and distributors as well as home builders are involved. Therefore, partnerships among these groups, including residents, will be the key to developing wooden architecture (Goal 17).

In order to build the society which is desired under the SDGs, all industries are required to redefine their business purposes and make contributions. The housing industry and construction industry are also required not only to explain their existing values from the viewpoint of the SDGs but also to expand their domains to contribute to creating new values.

In this session, we will explore new developments and promotion measures in the industries by recapturing the significance and value of wooden architecture and housing from the viewpoint of the SDGs.



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## Program

### Moderator

**Hiroto Takaguchi** (Professor, Waseda University)

**Misuzu Asari** (Associate Professor, Kyoto University)

### (1) Introduction

**Shuzo Murakami** (President, Institute for Building Environment and Energy Conservation (IBEC) / Emeritus Professor, University of Tokyo)

### (2) Keynote Speech "Works and Humanitarian Activities"

**Shigeru Ban** (Architect / Professor, Keio University)

### (3) Panel Discussion "Evolution of wooden housing driven by the SDGs"

**Toshiharu Ikaga** (Professor, Keio University)

**Tsuyoshi Seike** (Professor, University of Tokyo)

**Eiji Kubara** (EVER FIELD / Japan Builders Network (JBN))

# The Promotion of wooden architecture and the SDGs

## Moderator



**Hiroto Takaguchi** (Professor, Waseda University)

Hiroto Takaguchi is working on connection between wooden building and forestry / forestry industry, and improving the efficiency of those supply chain. He specializes in energy saving, decarbonization of buildings, and social system theory of build environment. He was the representative of the team that won the best award at Enemane House 2015 and received the 24th Wood Utilization Award [Future Forest Generation] as a member of team.



**Misuzu Asari** (Associate Professor, Kyoto University)

Her current special field is the research of waste management, especially plastic products/waste management and related substance flow analysis, disaster waste management. One of her other fields is campus and community sustainability. This theme includes environmental management system, environmental/SDGs related education, and lifestyle in University and local community.

## (1) Introduction



**Shuzo Murakami** (President, Institute for Building Environment and Energy Conservation (IBEC) / Emeritus Professor, University of Tokyo)

Dr. Shuzo Murakami was born in Ehime prefecture, Japan, in 1942. He was previously a Professor of the Institute of Industrial Science at the University of Tokyo, a Professor of Faculty of Science and Technology at Keio University, the President of the Architectural Institute of Japan, and the Chief Executive of the Building Research Institute. He was the Chair of Environmental Future City Concept Expert Study Committee and the Chair of the Evaluation and Survey of Promoting Local Government SDGs Review Meeting, both of which are part of the Cabinet Office, Government of Japan.

## (2) Keynote Speech “Works and Humanitarian Activities”



**Shigeru Ban** (Architect / Professor, Keio University)

Born in Tokyo in 1957. Graduated from the Cooper Union. Started working for Arata Isozaki & Associates in 1982. Founded Shigeru Ban Architects in 1985. Became consultant to the United Nations High Commissioner for Refugees (UNHCR) in 1995. Established the NGO, Voluntary Architects' Network (VAN) in the same year to support disaster relief. Selected works include Centre Pompidou- Metz, Oita Prefecture Art Museum, Mt. Fuji World Heritage Centre, Shizuoka, La Seine Musicale, and Swatch Omega. Recipient of multiple awards, including Grande Médaille d'or de l'Académie d'architecture, France (2004), Arnold W. Brunner Memorial Prize in Architecture (2005), Grand Prize of AIJ (2009), Honorary Doctorate from Technical University of Munich (2009), le grade d'officier for L'Ordre des Arts et des Lettres, France (2010), Auguste Perret Prize (2011), Art Prize from the Japanese Agency for Cultural Affairs (2012), le grade de commandeur for L'Ordre des Arts et des Lettres, France (2014), Pritzker Architecture Prize (2014), Medal of Honor with Purple Ribbon, Japan (2017) and Mother Teresa Social Justice Award (2017). Served as Visiting Professor at Harvard University GSD and Cornell University (2010). Specially Appointed Professor at International Research Institute of Disaster Science, Tohoku University, since 2020. Currently Professor at Kyoto University of Art and Design, also at Keio University.

## (3) Panel Discussion “Evolution of wooden housing driven by the SDGs”



**Toshiharu Ikaga** (Professor, Keio University)

He was born at Tokyo in 1959, educated at the graduate school of Architecture, Waseda University, then working for Nikken Sekkei for 22 years, the University of Tokyo as an associate professor for 2 years and current position since 2006. He is also appointed to the Vice President, the Architectural Institute of Japan. His major research field are LCA of buildings and impact of building design including wood interiors upon sleep efficiency and workplace productivity, et.al.



**Tsuyoshi Seike** (Professor, University of Tokyo)

In 1987, Tsuyoshi SEIKE graduated from the University of Tokyo Department of Architecture, and in 1999, he become an assistant professor at the University of Tokyo Graduate School of Frontier Sciences, and in 2019 he become a professor. His research topics are building construction, and environmental impact assessment during construction, demolition, and recycling.



**Eiji Kubara** (EVER FIELD / Japan Builders Network (JBN))

The former Chair and Executive Director of the JBN (Japan Builders Network) Environment Committee, which aims to expand the builders' environmentally friendly activities. He also runs a business which offers high performance housing as well as wooden emergency temporary housing and disaster public housing using local timber.