Background

Building Stock Activation 2007 is co-sponsored by CIB as an international conference of the 21st Century COE Program. During the second half of the 20th century, in metropolitan cities around the world - of which Tokyo is representative - the stock of existing buildings increased dramatically.

For reasons of environmental sustainability, historic values, land use economics, and other societal forces, it is often no longer sound public policy or good for private profit to demolish older buildings. At the same time, rapidly evolving social and technical dynamics have often resulted in a mismatch between the existing stock and contemporary user requirements.

The complex problems inherent in this mismatch between a sustainable building stock and rapidly evolving user preferences cannot be resolved by the simplistic, standardized solutions that apply to individual elements of buildings, commonly seen in conventional architecture and building engineering. Rather, they require individualized solutions that address the wide diversity of individual buildings.

Yet, the activation methods needed to reconcile changing social needs and a stable building stock should to be widely applicable, and not invented anew each time a building has to be upgraded or renewed. Further, it is urgent that new buildings of all kinds entering the existing stock be well prepared for both stability as part of the urban fabric, and adaptability.

From this perspective, a Research Center for Building Stock Activation, known as the 4-Met Center (Metal-technology Center for Metropolitan Metamorphosis Methods), was established at Tokyo Metropolitan University in 2003. Here, we conduct research while implementing building activation projects in actual buildings in cooperation with researchers, engineers, architects and other specialists.

Objectives

In November 2007, we will hold the first international Building Stock Activation 2007 conference in Tokyo. Our objective is to bring together internationally significant and current research and building projects concerning building stock activation, including work from the 4-Met Center. Our hope is that new visions of a sustainable built environment will be created by this exchange.
Topics for Papers and Presentations, Panel Discussions and Workshops

- Design for Building Activation
- Engineering of Building Activation
- Construction of Building Activation
- Management of Building Activation
- Costs and Benefits of Building Activation
- New Technologies and Materials for Building Activation
- Building Activation Considering Environmental Impacts
- User Participations in Building Activation
- Urban Planning Methods and Public Policy to Activate Building Stock
- Sustainable / Adaptable Design and Construction
- Case Studies

Venue

Building Stock Activation 2007 will be held at the Architectural Institute of Japan (AIJ), Tokyo, Japan. Attention: There is a possible change of venue. Another venue being considered is the Tokyo International Forum, Tokyo, Japan.

Important Dates

Deadline for Abstracts  
Submission of Full Papers 15 July 2007
Notification of Acceptance of Full Papers for Presentation and Notification of Travel Awards 31 August 2007

Additional Information

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Conference Website

For more information about the conference please visit the website at: www.4-met.org/