



CIB NEWS ARTICLE

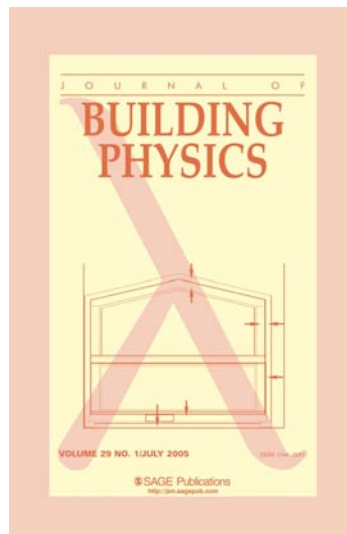
International Council for Research and Innovation
in Building and Construction

Providing a global network for international exchange and cooperation in research and innovation in building and construction, in support of an improved building process and of improved performance of the built environment.

December 2007

CIB Encouraged Journal

Journal of Building Physics



Introduction

CIB Encouraged and ISI recorded Journal of Building Physics started over 30 years ago as Journal of Thermal Insulation and followed the increase in world's ecological conscience. About 25 years ago the Journal found that thermal insulation, while the key to energy conservation must be supported by a number of other modifications to the building enclosure. It expanded its focus to include building enclosure and building science. More recently it became an official Journal of the International Association of Building Physics (IABP) and CIB commission W040 "Heat and Moisture Transfer in Buildings".

Focus

The current focus of this Journal includes Heat, Air, Moisture, Salt and Pollutant transfer through Building Enclosure and their effects on energy use, indoor environment and durability of the construction – i.e. the key elements of technical basis for sustainability of buildings.

In this capacity the Journal initiated long-term collaboration with different conferences around the world. The agreement includes publishing extended

abstract in the conference proceedings while the actual research paper undergoes 3 peer reviews and is published in the Journal. An example is a previously published special issue is April 2005 when five research papers from the Bavarian Center for Applied Energy Research on vacuum insulated panels published together to address different aspects of the new technology.

Coming Issues

The coming April 2008 issue is dedicated to the conference that took place at the Technical University of Dresden under the motto "Climatically adapted building design – damage free renovation" during March 29 – 31 2007. Approximately 200 scientists and practitioners from 20 countries discussed the responsibility of the architect, civil engineer and HVAC specialist for sustainable building construction and global climate protection.

Two important topics from many addressed during this conference – findings from IEA Annex on moisture buffering and advances in poro-mechanical approaches to durability assessment - were selected and the authors invited to write papers for the Journal. These

papers will appear in the April 2008 issue of the Journal.

Another important development in Building Physics is creation of biannual conferences in US and Canada sponsored jointly by Architectural and Engineering Associations in North America. This will provide a yearly forum for review of the progress in Building Enclosure Science and Technology (BEST).



The first biennial international conference on Building Enclosure Science and Technology (BEST 1) takes place in June 2008 in Minneapolis, USA and the next year Canadian BEST is scheduled in May 2009 in Montreal. The research community of Finland will participate in BEST 1 providing 8 research papers and October 2008 issues in 2008 will summarize the Finish research while January 2009 will present European and New Zealand advances in Building Physics.

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Website

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