

Special Issue on “Temporal Design (TD)” Conference Selected Papers from the Fourth International Symposium on TD 2009

Preface

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This volume is the selected and discussed papers from the Fourth International Symposium on TD, which was held in Kumamoto from October 31st to November 3rd, 2009. Though spatial design might intensively been considered in architectural and environmental planning, temporal design should be more focused in order to create sustainable and healthy societies. From this point of view, a series of symposia have been held first in Kobe 2003, second in Kirishima 2005 and third in Guangzhou 2007. Based on the same concept, 46 papers were presented at this symposium and actively discussed in the following eight sessions:

1. Concert hall acoustics
2. Room and public acoustics
3. Music acoustics
4. Thermal environment and air quality
5. Temporal and structural design
6. Urban planning and soundscape
7. Audition and vision
8. Community noise and sound insulation

At the closing ceremony six papers were awarded as the best papers based on the session chairs' evaluations as follows:

1. Ken Ito, Ryota Shimokura, Yoshiharu Soeta, Tomohiro Ohsawa, Shin-ichi Sato and Yoichi Ando, Broken Symmetry of Spatial and Temporal Design in Japanese Temple
2. Hye Sung Yang, Jae Gyu Shin, Yu Min Kim, Soon Joo Kang and Jang Yeul Sohn, A Comparison of CO₂ Emission in Apartment Buildings according to the Insulation Performance by Life Cycle Assessment
3. Takeshi Okabe, A Constitutive Model and Finite Element Procedure for the Analysis of the Inelastic

Behaviors of Steel Columns in Fire

4. Jin You, Jun Oh Yeon, Pyong Jik Lee and Jin Yong Jeon, ACF/IACF Characteristics of Water Sounds for Soundscape Enhancement in Urban Spaces
5. Dario D'Orazio and Massimo Garai, Some Considerations about the Integration of r-ACF
6. Yosuke Okamoto and Seiji Kakagawa, Adaptation Effects on Cortical Activities for AM Flickering Lights

The fifth symposium will be held in the United Kingdom 2011, organized by Professor Jian Kang, University of Sheffield. Contributed papers are welcomed in all scientific fields of the "temporal design." (Please see "Objective of publication" from above menu.)