

**Dr. Hideki Shibaïke**  
**Kyoto Institute of Technology**

Contact Data:

Dr. Hideki Shibaïke  
Kyoto Institute of Technology  
Matsugasaki, Sakyo-ku  
Dept of Architecture and Design  
Faculty of Engineering and Design  
Japan



Phone: +81 0 75 724 7668  
Fax: +81 0 75 724 7668  
Email: Hideki.Shibaïke@dad.kit.ac.jp

Associate Professor, Kyoto Institute of Technology, Major in Architecture and Design, Graduate School of Science and Technology, Dept. of Architecture and Design, Dr. (Eng.)

He received B. Eng. by March 1979, M. Eng. by March 1981 from Kyoto Institute of Technology. He completed the graduate school of science and technology, Kobe University by March 1986 and started his academic career as a research associate of Kyoto Institute of Technology by April 1986.

In 1994 he received his doctoral degree from Kobe University and the title of the dissertation is "Boundary element analyses of simultaneous heat and moisture transfer in building wall assemblies".

In 1995, he was promoted as an associate professor of Kyoto Institute of Technology and was awarded a Canadian Government Laboratories Visiting Fellowship. He worked for one year as a visiting fellow of Institute for Research in Construction, National Research Council Canada (IRC/NRCC) to develop numerical simulation procedure in order to predict simultaneous heat and moisture transfer linked with mechanical changes in building wall assemblies.

In 1998 and 1999, he was a member of the technical committee for performance evaluations on residential buildings (durability performance section) which was organized by The Better Living Foundation to validate and support technical phase for the amendment of the building standards law which can allow performance based evaluations. His expertise is Building and Urban Physics with the special focus on modeling and monitoring the heat and moisture transfer occurred in building components through whole building to urban spaces to provide building elements and constructions with better performance for sustainable development.

In 2005, the environmental standard of AIJ on hygric material properties were established for which he worked as the general manager of the academic project committee. In recent years, he has been actively involved on practical and technical issues related to hygric performances of EIFS and other innovative components for building envelopes in academic and technical societies in Japan. This wide ranged information covering scientific, technical and practical issues has been investigated through his analytical and numerical studies, field monitoring data on real projects adopting exterior insulation practices, and inspection tours on exterior insulation and other high performance building envelope components which he organized for U.S. and Canada in 2006, for Shanghai, and for Tianjin and Beijing in 2007.

He is a member of American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE), Architectural Institute of Japan (AIJ) and Society of Heating, Air-conditioning and Sanitary Engineers of Japan (SHASEJ). He is a fellow of External Insulation Promotion Council (Specified NPO) and working as an academic and technical advisory.