



Low-Exergy Heating and Cooling Systems in Buildings
– Their Past, Present and Future –

Date: 13:20 – 17:20 on 30th September, 2005

Place: FEIS Hall at Yokohama Campus, Graduate School of Environmental
and Information Studies, Musashi Institute of Technology

Fee: free

Language: English (with short interpretation in Japanese in case necessary)

Program (Tentative)

13:15 ~ 13:20	Welcome and Opening	Masanori Shukuya (Musashi IT, Japan)
13:20 ~ 13:40	Results, Highlights and Perspectives of International Exergy Research Collaboration	Markku Virtanen (TAKE, Finland)
13:40 ~ 14:00	Exergy Use in the Built Environment –Basics and Analyses	Dietrich Schmidt (Fraunhofer Inst., Germany)
14:00 ~ 14:20	Technologies for Low Exergy Systems in Buildings –Environmental and Economic Parameters	Gudni Johannesson (KTH, Sweden)
14:20 ~ 14:40	Indoor Climate Control Systems –Advanced Use of Heat Pumps	Elisa Boelman (TU Delft, The Netherlands)
14:40 ~ 15:00	An Advanced Passive Solar House in Kochi Prefecture	Yuichiro Kodama (Kobe Design Univ., Japan)
15:00 ~ 15:15	Q and A	
15:15 ~ 15:30	Coffee Break	
15:30 ~ 15:45	Possibility of Low-Exergy Cooling for Japanese Wooden Housing	Hirotsugu Yamada (Sumitomo Forestry, Japan)
15:45 ~ 16:00	Radiative Cooling with Ceiling Panel using the Evaporation of Rain Water	Itaru Takahashi (Tokai Univ., Japan)
16:00 ~ 16:15	Moderate Floor Cooling with the Use of Coolness under the Ground	Hideyuki Yamagishi (Asahi Kasei Homes, Japan)
16:15 ~ 16:30	A Trial of Radiative Cooling by a Wet Panel with the Evaporation of Water	Junko Hirotani (Organic Table, Japan)
16:30 ~ 16:45	Development of Advanced Materials for Low-Exergy Use in the Built Environment	Masato Tazawa (AIST, Japan)
16:45 ~ 17:25	Discussion	Moderated by Dietrich Schmidt and Masanori Shukuya
17:25 ~ 17:30	Concluding Remarks and Closing	Masanori Shukuya

Organized by: LowEx.Net and Laboratory of Building Environment,
Musashi Institute of Technology