

**2010 Symposium of CIB W062  
Provisional programme**

**MONDAY 8 NOVEMBER 2010**

Time					
7.45	<b>Registration</b>				
8.20	<b>Opening</b>			K. De Cuyper Coordinator CIB W062	
8.30	<b>A</b>	<b>Water supply: demand</b>			
8.35	A1		Hunter Fixture Unit Probability Method	L. Gallowin	USA
8.55	A2		Simulation Model of Flow Rate Design in Water Submetering System by using Fuzzy Logic and Monte Carlo Method	de Oliveira	Brasil
9.15	A3		Development of design rules for peak demand values and hot water use in non-residential buildings	Van der Schee	Netherlands
9.35	A4		Monitoring the booster pump water supply system of a high-rise apartment building for optimization possibilities	S. Murakawa	Japan
9.55	A5		Estimation of the water flow rate in supply systems of buildings based on the analysis of the operating frequency of the supply pumps	S. Shimazaki	Japan
10.15			Question time		
10.25	<b>Break</b>				
10.45	<b>B</b>	<b>Water supply: hot water and drinking water quality</b>			
10.30	B1		A study on the water and energy Consumption of the bathrooms in a nursing home for the aged	D.Nishina	Japan
10.50	B2		Calculation Method for Loads of Hot Water Demand with the Hot Water Storage Tank System in Houses - Part 3 Analysis of energy consumption and efficiency of performance on CO2 heat pump water heater	H.Takata	Japan
11.10	B3		Experimental Model Research of Dynamic Processes inside Hot Water Storage Tank during the Water Heating and Hot Water Withdrawal	L. Bárta	Czech republic
11.30	B4		Assessment of the electric efficiency of electric boilers with accumulation tank	S. Sowny	Brazil
11.50	B5		Pathology of Hot Water Building Systems in Residential Buildings	S. Vieira de Amorim	Brazil
12.10	B6		The effects of preventing biofilms developing in water systems using velocity of flow	P. Angus	UK
12.30	B7		New technical rules concerning potable water piping in Germany	F.P. Schmickler	Germany
12.50			Question time		
13.00	<b>Lunch</b>				
14.00	<b>C</b>	<b>Water supply : miscellanenous</b>			
14.05	C1		Reliability of flushing water supply pump installations in residential buildings	K.W. Mui	China
14.25	C2		The analysis of the hydraulic friction losses	E. Petresin	Slovenia
14.45	C3		Energetic performance of swimming pool heating by gas and heatpump systems	C.A. Maluf	Brazil
15.05	C4		Galvanic corrosion and its prevention in building supply systems: results from studies on experimental loops	T. Yamate	Japan
15.25			Question time		
15.35	<b>Break</b>				
15.55	<b>D</b>	<b>Drainage :modelling water and air flow</b>			
16.00	D1		Determination of Terminal Velocity of Stack Flow by Numerical Simulation	Lee Eric W.M.	Hong Kong
16.20	D2		Measurements of air pressure fluctuations of drainage stack at a high-rise office building	Liao W.J. Ms	China
16.40	D3		Measurement of air pressure fluctuations at lower levels in a high-rise drainage stack	Wong L.T.	China
17.00	D4		Positive Air Pressure Transients in Building Drainage Systems and their link to Water Curtain Behaviour	Jack L. B.	Scotland (UK)
17.20	D5		Research of main drain system and solid transportation performance in existing buildings	Cheng C.L. Dr.	Taiwan
17.40	D6		Drainage performance of stacks with branches equipped with multiple air-admittance valves	Zhe Zhang	Japan
18.00			Question time		
18.10	<b>End 1st day</b>				

**TUESDAY 9 NOVEMBER 2010**

Time				
8.30	<b>E</b>	<b>Drainage: siphonic and mechanical systems</b>		
8.35	E1	The Feasibility Study of Applying a Mechanical Drainage System of Buildings in Taiwan	He K.C., Dr.	Taiwan
8.55	E2	The Development of the Next Generation Drainage System	Sakaue K.	Japan
9.15	E3	Experimental Studies on Flow and Pressure Characteristics of Siphonic Drainage System for Waste Water	Sakaue K	Japan
9.35	E4	Examination of partial siphonic roof outlet blockages on system performance	Beattie R. K.	Scotland (UK)
9.55		Question time		
<b>10.05</b>	<b>Break</b>			
10.35	<b>F</b>	<b>Drainage:miscellaneous</b>		
10.45	F1	An investigation into the impact of climate change on the performance of property drainage systems	Kelly D.A.	Scotland (UK)
11.05	F2	Development of an horizontal drainage fixture for connecting the apartment drainage system to the stack, allowing more planning freedom	Masayuki Otsuka	Japan
11.10	F3	U-PVC Pipes with Fire-shielding Performance for Drain and Ventilation in Buildings	Masashi Okabe	Japan
11.30	F4	The role of industry / academia partnership in meeting the public health challenges presented by transient propagation in building drainage network	Swaffield J.A.	Scotland (UK)
11.50	F5	Water trap seal vulnerability monitoring: A case study of its application to a large hospital complex	Gormley	Scotland (UK)
12.10		Question time		
12.20	<b>G</b>	<b>Sanitary appliances</b>		
12.25	G1	New flushing technology of tankless toilet	Tanaka Kiyotaka	Japan
12.45	G2	Female Urinals	M. Demiriz	Germany
13.05	<b>Lunch</b>			
14.05	G3	Seismic behavior influence of sanitary equipment installed on light walls	Lee M.C. , Dr.	China
14.25		Question time		
14.35	<b>H</b>	<b>Sustainable construction</b>		
14.40	H1	Application of solar water heating system in multi-house apartment	Masaharu Itagaki	Japan
15.00	H2	Study on the drainage from latent heat recovery-type gas hot-water supply devices	Masashi Ishimoto	Japan
15.20	H3	Water saving methods for hotels	U. Alexandrowicz	Germany
<b>15.40</b>	<b>Break</b>			
16.00	H4	ZigBee network for remote monitoring of water use at the Sao Paulo International airport in Brazil	de Sousa Junior	Brazil
16.20	H5	Impact of Installation of Water Saving Technologies at the International Airport of Sao Paul in Brazil	Ilha	Brazil
16.40	H6	Study on the Water Consumption of Commercial Buildings in Chugoku and Shikoku Regions in Japan	Daisuke Ikeda	Japan
17.00	H7	A standardised method for measuring the attenuating effect of green roofs on stormwater discharge	K. De Cuyper	Belgium
17.20	H8	Outcomes from an industry and regulator research collaboration into reduced flows on building drainline system in Australia	Steve Cummings	Australia
17.40	H9	Deconstruction of Building Systems of Water Supply and Drainage	Silva-Afonso A.	Portugal
18.00		Question time		
18.20	<b>Closing of the symposium</b>		K. De Cuyper Coordinator CIB W062	
18.30	<b>End 2nd day</b>			