



## Action for Sustainability

The 2005 World Sustainable Building  
Conference in Tokyo

# SB05Tokyo

September 27-29, 2005

## Final Program

<http://www.sb05.com>

SB05Tokyo National Conference Board

# SB05 Assessment Case Study Session

27-29th September 2005, SB05Tokyo

Chairs: Nils Larsson, iSBEE, Tatsuo Oka, Utsunomiya University



	ROOM1-E			ROOM 1-F			
Day1 PM 27-Sep	15:30-16:30	Introduction at ROOM1: Nils Larsson, Tatsuo Oka, Rebecca Flora, Thomas Lützkendorf	60	60	Introduction at ROOM1-E	60	
	16:30-16:40	Break 10	70	70	Break 10	70	
	16:40-17:30	ACS1 Chair: Gord Shymko	110	110	16:40-17:45	Chair: ACS2 Manuel Macias	
	16:40-17:20	US Green Building Challenge Team, USA LEED, GBTool John Boecker, Don Horn, Joel Ann Todd	110	110	16:40-17:30	SB05 HK Team, Hong Kong IBI, Intelligent Building Index, HK BEAM Leonard CHOW (Asian Institute of Intelligent Buildings) Two International Finance Centre Ada FUNG (Hong Kong Housing Department), Stephen YIM Sustainable Housing Development Kenneth CHAN Jor Kin One Peking	120
17:20-17:30	Discussion 10	120	120	17:30-17:40	Discussion 10	130	
Day2 AM 28-Sep	8:40-10:15	ACS3 Chair: George Baird	20	20	8:40-10:20	ACS4 Chair: Hal Levin	20
	8:40-9:00	Fionn Stevenson (University of Dundee), UK Bruce Taylor (The Robert Gordon University), Tom Morton OPTIMISING THE USE OF UNFIRED CLAY PRODUCTS IN RURAL HOUSING: THE ROLE OF HOLISTIC EVALUATION	20	20	8:40-9:00	Zhen Chen (The University of Reading), UK Derek Clements-Croome (The University of Reading), Ju Hong, Heng Li (The Hong Kong Polytechnic University) A Multicriteria Approach to Intelligent Building Assessment	20
	9:00-10:15	China GOBAS Team, China GOBAS Yingxin ZHU (Tsinghua University) Bobong LIN (Tsinghua University) Yi JIANG (Tsinghua University), Youguo QIN (Tsinghua University) A gymnasium Office building A Office building B A residential complex	75	75	9:00-10:20	SB05 Canadian Team, Canada LEED-CA, GreenGlobe, GBTool Team Captain: Bob Bach, Associate Team Captain: Woytek Kujawski Queen's University Integrated Learning Centre Mountain Equipment Co-op TOHU	100
	10:15-10:25	Break 10	105	105	10:20-10:30	Break 10	110
	10:25-11:00	Chair: Nadya Main	130	130	10:30-10:55	Chair: Dagmar Epstein	135
	10:35-11:00	Shanghai Demonstration Eco-building Shanghai Research Institute of Building Science, China GBTool Jihong Han (SRIBS), Yu An (SRIBS)	130	130	10:30-10:55	Chilean Green Building Team, Chile GBTool Norman Gøijberg (Chilean Green Building Team) Ministry of Public Works Transportation and Communications Chilean Chamber of Construction Edificio Terminal Aeropuerto	160
	11:00-11:25	Thomas Aujero Small (Strength Function Delight), USA LEED James Weiner (Greenworks Studio) Lake View Terrace Library Sun Valley Branch Library	165	165	10:55-11:20	Graham Lane (Bovis Lend Lease), Australia Australian Green Star and BREEAM CASE EXPERIENCE OF A SUSTAINABLE BUILDING	195
	11:20-11:50	Sweden Team, Sweden GBTool, EcoEffect Mauritz Glaumann (University of Gävle.)	190	190	11:20-11:55	Taiwan Team, Taiwan GBTool Team Leader: C.M. Chiang (National Cheng-Kung University), Daphne K.F. Chang (National Cheng-Kung University) Koahsiung Dnyue Housing Koahsiung City Hall	205
	11:50-12:00	Discussion 10	200	200	11:55-12:05	Discussion 10	205
	12:00-15:00	Lunch/Plenary			Lunch/Plenary		
Day2 PM 28-Sep	15:30-17:05	ACS5 Chair: Yehuda Olander	95	95	15:30-16:30	ACS6 Chair: Maria Loots	35
	15:30-17:05	Spanish Green Building Challenge Team, Spain GBTool, Verde, CASBEE, Javier Serra, M. Macias, L. Alvarez-Ude, Paula Rivas, Renaldi Rachmat National Center for Renewable Energy Bioclimatic and Modular Building MURB in an Cristobal MURB in Barcelona	95	95	15:30-16:05	Team Karlsruhe University, Germany LEGEP Niklaus Kohler, Andreas Wagner, Thomas Lützkendorf (University Karlsruhe), Holger König (LEGEP Software GmbH) PASSIVE BUILDINGS	60
	17:05-17:15	Break 10	105	105	16:05-16:30	Brazil Team, Brazil GBTool, Local system Vanessa Gomes (Universidade Estadual de Campinas) Environmental education facilities	70
	17:15-18:50	Chair: Silvia de Schiffer	125	125	16:30-16:40	Break 10	200
	17:15-17:35	Spanish Green Building Challenge Team, Spain Javier Serra, M. Macias, L. Alvarez-Ude, Paula Rivas, Renaldi Rachmat National Center for Renewable Energy Bioclimatic and Modular Building MURB in an Cristobal MURB in Barcelona	125	125	16:40-18:30	Chair: Cesar Trevino	
	17:35-18:35	Italian Green Building Challenge Team, Italy GBTool Andrea Moro (iSBEE ITALIA), Italo Meroni, Roberto Lollini (ITC-National Research Council), Mario Grosso (Politecnico di Torino), Stefano Dotta (Environment Park) MEDIAPOLIS ENVIRONMENT PARK HEAD OFFICE OLYMPIC VILLAGE - TORINO 2006 "FREIRE" NURSERY SCHOOL COOP Hypermarket	185	185	16:40-18:50	Japan GBC Team/Japan Sustainable Building Consortium, Japan CASBEE, GBTool N. Kobayashi (Mitsubishi Jisho Sekkei), Marunouchi Building J. Endou (Nikken Sekkei), NEC Tamagawa Renaissance City S. Yamamura (Nikken Sekkei), Aoyamagakuin University Sagami-hara Campus M. Sato (Kajima Corporation), Shiodome Tower M. Koike (Takenaka Corporation), Takenaka Corp. Tokyo Main Office Y. Sakaguchi (Takenaka Corporation), AEON Chikusa Shopping Center H. Mada (Taisei Corporation), Keio University South Building (Mita) M. Yamagawa (Kansai Electric Power Company), The Kansai Electric Power Building S. Kaburagi (Taisei Corporation), Sites for EXPO 2005 Aichi Japan	210
18:35-18:50	SBET, Sustainable Building Evaluation tool Claudia Schneider (SKAT), Switzerland	200	200	18:50-19:00	Discussion 10	210	
18:50-19:00	Discussion 10	210	210				
Day3 AM 29-Sep	9:00-10:20	ACS7 Chair: Anne Auger	80	80	9:00-10:25	ACS8 Chair: Mauritz Glaumann	25
	9:00-10:20	Korea National Team, Korea GBTool, Korea system Lee, Sang Hong The status of Green Building Certification System in Korea Choi, Dong Ho Seoul Central Post Office Cho, Soo I'PARK Samsungdong Kim, Yong Kyung Kolon E&C Institute of Technology	80	80	9:00-9:25	Mexico Team, Mexico LEED César U. Treviño, Green Building and Alternative Energy, MEXICO HSBC Bank Tower National Headquarters	60
	10:20-11:10	Chair: Dagny Rynska	105	105	9:25-10:00	The Trial and Verification to Energy Self-Sufficiency Building Hitoshi Takeyama (OM Institute), Masahito Nagata (OM Institute), Japan CASBEE THE EARTH DESIGNING SCHOOL SEMINAR HOUSE THE EGG OF THE EARTH	85
	10:20-10:45	France Team, France GBTool, National Certification Scheme Sylviane NIBEL (CSTB), Philippe DUCHENE MARULLAZ (CSTB)	105	105	10:00-10:25	A Multi-Purpose Building Utilizing Locally Available Renewable Energy Sources, with use of radiant heating and cooling system Yoshihisa Hirayama (PS Company Ltd), Junko Ozaki (PS Company Ltd), Japan CASBEE IDIC Building	110
	10:45-11:10	FIDIC, International Federation of Consulting Engineers, Switzerland PSM, Project Sustainability Management Peter Boswell (FIDIC) The Poudre School District	130	130	10:25-11:10	Chair: Bogdan Witkowski	130
	11:10-11:20	Discussion 10	140	140	10:25-10:50	HK CEPAS, Comprehensive Environmental Performance Assessment Scheme for Buildings, Hong Kong Buildings Department, Hong Kong SAR Government, Ove Arup & Partners Hong Kong Ltd A Commercial Building in Hong Kong A Laboratory Building in Hong Kong	150
	11:20-11:30	Break 10	150	150	10:50-11:10	Pablo La Roche (California State Polytechnic University), USA Ignacio Oteiza (IETcc, España) Francisco Mustieles (Universidad del Zulia, Venezuela) Maria Delgado (ITER, España), M.V. Machado (Universidad del Zulia, Venezuela) "To Inhabit the Device" Assessment of a Sustainable Dwelling in Tenerife	150
	11:30-12:00	Q&A, Awards and Closing: Nils Larsson, Tatsuo Oka, Vanessa Gomes	30	30	11:10-11:20	Discussion 10	150
				11:20-11:30	Break 10	150	
					Q&A and Closing at Room 1-E		

# Program at a Glance

floor	3 F					2 F	1 F					
room	3-E Hokushin	3-A Kohun	3-B Suiun	3-C Hakuun	3-D Keiun	2-A Fukuju, 2-B Suchiro	1-A Zuikoh	1-B Kyokkoh	1-C Gyoukoh	1-E Ohgyoku	1-F Seigyoku	1-G Kohgyoku

## September 26 (Mon.)

15:00~20:30	Registration / Reception					Welcome Party (19:00~20:30)						
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## September 27 (Tue.) Day 1

9:30~10:30	Opening Session					Lunch and Lounge						
11:00~12:30	Plenary Session 1 Ernst Ulrich von Weizsäcker					Lunch and Lounge						
12:30~14:30	*Poster Session 1											
14:30~17:30	Exhibition 9:30 17:00	unit1 Energy use and climate 1: Emerging architecture	unit4/5 Building environmental assessment tools 1: Current assessment tools	unit2 Resource-productive material use	unit13 Sustainable urban regeneration	Lunch and Lounge	unit9 Sustainable structural systems	unit11 Sustainable management of existing building stock	SB04 Regional conferences session	16:40 Assessment case study session 1	Assessment case study session 2	Student session

3:30 PM

## September 28 (Wed.) Day 2

9:00~12:00	unit1 Energy use and climate 2: Design methods and strategy	unit4/5 Building environmental assessment tools 2: Emerging assessment tools	unit3 Indoor environment	unit12 Urban environmental systems	Lunch and Lounge	unit7 Future frameworks for next technologies	unit16 Applying industrial ecology to construction industry	unit19 Environmental ethics and buildings	8:40 Assessment case study session 3	Assessment case study session 4	10:30 IBEC Awards	
12:00~13:40	*Poster Session 2											
13:40~15:00	Plenary Session 2 Ryoichi Yamamoto / Jaime Lerner					Lunch and Lounge						
15:30~18:30	unit1 Energy use and climate 3: IEA and sustainable buildings & communities	unit4/5 Building environmental assessment tools 3: Applications	unit14 Rapidly populating cities/rapid urbanization	unit17 Partnership between stakeholders	Lunch and Lounge	unit8 Management of technologies	unit15 Procurements and process design	IPCC and sustainable building session	Assessment case study session 5	Assessment case study session 6	Session on sustainable building education	
19:30~21:30	Banquet											

## September 29 (Thu.) Day 3

9:00~12:00	Exhibition 9:00 16:00	unit1 Energy use and climate 4: Analysis of building performance	unit4/5 Building environmental assessment tools 4: LCA / Assessment tools	unit18 Design and implementation of effective and efficient policies	10:15 Shinkenchiku Residential Design Competition 2005 12:45	Lunch and Lounge	unit6 Healthy buildings / cities	unit10 Theory and methods in support of adaptable buildings	unit20 Holistic approach / Case illustrations	Assessment case study session 7	Assessment case study session 8	
12:00~14:00	*Poster Session 3											
14:00~16:00	Plenary Session 3 Tadao Ando / Richard Rogers					Lunch and Lounge						
16:00~17:15	Closing Session											

Legend: Plenary Sessions Exhibition Breakout Sessions Special Sessions Poster Sessions\* Others

\*Each poster is exhibited in one of the Poster Session Zones for a whole day. Q&A are performed in front of the poster.