

Day 1 - Wed 22 Sep				
09.00	<p>OPENING SESSION - Hall 1 Chair: Soimakallio Helena, RIL Welcome: Vapaavuori Jan, Minister of Housing Keynote: Steinberg Marco, SITRA: Low2No – A transitional strategy to carbon neutrality Keynote: Malbert Björn, Chalmers Architecture: Insights, Visions and Actions towards Urban Innovations</p>			
11.00	Break			
11.15	SESSION A1: Assessment tools Hall 1 Chair: <i>Junnilla Seppo</i>	SESSION Q1: Management of indoor environmental quality Room Palaver Chair: <i>Säteri Jorma</i>	SESSION U1: Eco-efficiency and social sustainability in urban developments Room Luolamies Chair: <i>Lahli Pekka</i>	SESSION S1: Sustainable solutions for the Northern climate Room 4 Chair: <i>Gudnason Gudni</i>
11.15	Häkkinen, Tarja ; Sustainability and Performance assessment of Buildings – SuPerBuildings	Desmyter, Jan ; Designs and Technologies for a Safe, Accessible and Stimulating Indoor Environment - The Impact of Policy	Jank, R ; Energy Efficient Communities – First results from an IEA Collaboration Project	Nieminen, Jyri ; Passive Houses for the Northern climate: Case TA apartment building in Oulu
11.30	Huovila, Pekka ; A Framework for Common Metrics in the Performance Assessment of Buildings (SBA)	Hynnen, Pasi ; Priorita - A method for health risk-based prioritization of community building renovations	Byring, Bianca and Teerthalme Henna ; Urban rail enables efficient land use and efficient communities	Haikonen, Pekka ; Paroc Passive House - from concept to certification
11.45	Lupisek Antonin ; SBTool CZ - Czech Republic towards Sustainable Building	Kosonen, Risto ; IEO management process: a tool to actually reach the set targets	Merikoski, Tiina ; From vision to criteria: Planning sustainable tourism destinations Case Ylläs Lapland	Vartiainen, Tuula ; Net zero energy buildings - cold climate applications: Case Kuopio
12.00	Kallaos, James ; Explicit consideration of time in the life cycle assessment of buildings	Järnström, Helena ; A Concept for Ensuring High Indoor Environment Quality and Structure Moisture Performance in Energy Efficiency Renovations	Broberg, Anna ; SoftGIS in planning for the eco-socially sustainable environment	Lylykangas, Kimmo ; Solar Decathlon Europe 2010 competition
12.15	Nibel, Sylviane ; ELODIE: a tool for the environmental assessment of building	Pulakka, Sakari ; Economically sustainable renovation	Lombardi, Patrizia ; Sustainable University Campus Assessment	Peltomäki, Pekka ; Passive house neighbourhood development in Naantali
12.30	Discussion	Discussion	Discussion	Discussion
12.45	Lunch			
14.00	SESSION A2: Sustainability frameworks and rating Hall 1 Chair: <i>Desmyter Jan</i>	SESSION Q2: Energy efficient indoor environment Room Palaver Chair: <i>Järnström Helena</i>	SESSION U2: New tools for sustainable transport and urban development Room Luolamies Chair: <i>Lutzendorf Thomas</i>	SESSION P1: Nordic examples of sustainable refurbishment Room 4 Chair: <i>Haugbølle Kim</i>
14.00	Houlihan Wiberg, Aoife ; A Comparison Of Five Certification Schemes for the Hotel Sector - Green Globe, Nordic Swan, EU Flower, Green Hospitality Award and LEED-EB.	14.00 Siren, Kai ; Optimal Design of an Office Building for Low-Primary Energy Requirement and High-Indoor Thermal Comfort Level	14.00 Verma, Ira ; The Rail Transport for All	14.00 Haugbølle, Kim ; Introduction to Sustainable Refurbishment (SURE)
14.10	TranThuc, Han ; Measuring Sustainability: Carbon or Land?	14.15 Holopainen, Riikka ; New human thermal model integrated in a building simulation environment – effect of clothing and metabolita on the thermal sensation	14.10 Talja, Asko ; Traffic-induced building vibration – A tool for planning of land use	14.10 Haikonen, Pekka ; Innova competition: Passive House refurbishment of apartment buildings of the 1970s
14.20	Murakami, Shuzo ; Concept and Framework of CASBEE-City: An Assessment Tool of the Built Environment of Cities	14.30 Kukkurainen Juha ; Utilization of Wireless KILAVI Platform in Office Space Temperature Monitoring	14.20 Sauna-aho, Jussi ; Impacts of road traffic congestion and other traffic disturbances	14.25 Väkevä-Harjula, Irene ; Eco-efficient renewal of old neighbourhoods
14.35	Kawakubo, Shun ; Assessment Framework of CASBEE-City: An Assessment Tool of the Built Environment of Cities	14.45 Tetri, Eino ; Residential energy-efficient lighting	14.30 Eberthäuser, Sebastian ; The SIAS Tool - Systemic Benchmarking as a Base for the Development of Strategies for Energy Efficient Cities	14.40 Vanhanen, Tero ; Innovative steel sandwich structures in eco-efficient refurbishment
14.45	Mascarucci, Maria ; An assessment model in the new buildings design picking for the post earthquake reconstruction in the territory of L'Aquila. (Abruzzo, Italy)	15.00 Abdul Ali Baba ; Design and Development of Low Cost Small Indoor Planar Antennas	14.40 Lombardi, Patrizia ; Toward a new rating system for logistic settlements	14.55 Almas, Anders-Johan ; Nordic solutions for sustainable refurbishment - SURE Case studies
14.55	Leung, Mei-yung ; Impact of Construction Project Designs on CO2 Emission	Discussion	14.50 Salat, Serge ; Morphological indicators for assessing the sustainability of cities	15.10 Ojankoski, Teija ; Sustainable Refurbishment - Life cycle management and property management (SURE), Sahatie 2
15.05	Maattänen, Eeva ; Virtual work still challenging for environmental assessment		15.00 Larsson, Nils ; From Smart Grids to Synergy Grids	Discussion
15.30	Coffee			
16.00	<p>Keynote - Hall 1 Chair: Finne Christer Kiviniemi Arto, Salford University: BIM in Evaluation and Management of Sustainability</p>			
16.45	SESSION A3: Energy assessment Hall 1 Chair: <i>Antuña Carmen</i>	SESSION B1: Use of BIMs in sustainable design, construction and operation Room Palaver Chair: <i>Finne Christer</i>	SESSION W1: Experience and perceived quality in built environment Room Luolamies Chair: <i>Hesnes Anne Grete</i>	SESSION P2: Successful business from sustainable renovation services for single family housing Room 4 Chair: <i>Häkkinen Tarja</i>
16.45	Yokoo, Nori ; Estimation Of The Effect Of Implementing Energy Conservation Techniques In Buildings In Urban Areas And Houses In Suburban Areas In Japanese Cities	16.45 Goh, Bee Hua ; Integrating green building rating systems with BIM using cost-based decision rules	16.45 Verma, Ira ; Multisensory experience of living environment	16.45 Ala-Juusela, Mia ; Successful sustainable renovation business for single-family houses
16.55	Alonso, Carmen ; Design strategies in facades for the reduction of housing energy consumption	17.05 Laine, Tuomas ; Energy and thermal performance management through utilisation of building information models	16.55 Anderson, Jamie ; Sustainability as Promoting Well-being: Psychological Dimensions of Thermal Comfort	17.00 Tommerup, Henrik ; Existing sustainable renovation concepts for single-family houses
17.05	Salat, Serge ; City fabric and energy efficiency: Case studies in morphological assessment of the sustainability of cities	17.25 Karjalainen, Auli ; Building Information Modelling for Sustainability in the Built Environment	17.05 Aavikko, Jarmo ; Food manufacturer as a part of sustainable community	17.15 Haavik, Trond ; Renovation of single-family houses – an emerging market
17.15	Soukka, Risto ; Carbon footprint of heating options for a new residential area	17.45 Jyrkkä, Risto ; Sustainable Development in Integrated Design Process	17.15 Järnström, Helena ; Health and the Built Environment- Reflections on the CIB TG77 meeting in Helsinki	17.30 Mahapatra, Krushna ; Potential target group for the introduction of full service energy efficient renovation in Swedish single-family houses
17.25	Okumura, Kumi ; Assessment Model for Global Warming Countermeasures in Commercial Building Sector	Discussion	17.25 Barry, Slobhan ; Biomimetic Architecture: Ecotonic transmutations across the urban membrane.	17.45 Nystedt, Åsa ; From Demonstration Projects towards Volume Market: Innovations for One Stop Shop in Sustainable Renovation
17.35	Haase, Matthias ; Survey of five commercial buildings in Norway		17.35 Rydzewska-Szpak, Anna ; Vertical sustainability in architecture	Discussion
17.45	Shen, Shanshan ; Achieving Building Sustainability: A Whole Life-cycle Assessment of Exhibition Buildings		Discussion	
19.00	<p>Get together at SAHA Welcome by Olavi Louko, Director of Technical and Environment Services, City of Espoo Hannu Rossilahti, Director General, The Housing Finance and Development Centre of Finland (ARA): Sustainable Renewal of the Housing Stock</p>			

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Day 2 - Thu 23 Sep				
08.30	<p>KEYNOTE SESSION - Hall 1 Chair: Larsson Nils, iISBE Keynote: Hestnes Anne Grete, NTNU: Zero emission buildings Keynote: Thomas Lützkendorf, Karlsruhe: Valuing Sustainable Buildings – the Economic Dimension</p>			
10.00	Coffee			
10.30	<p>SESSION P5: Design process Room 4 Chair: Hájek Petr</p>	<p>SESSION M1: Increasing value through end user engagement Room Palaver Chair: Huovila Pekka</p>	<p>SESSION P3: Energy-efficient processes Room Luolamies Chair: Marteinsson Björn</p>	<p>SESSION U3: Smart community concepts Hall 1 Chair: Mikkonen Virpi</p>
	10.30 Persson, Urban ; Management of sustainability issues in construction works processes	10.30 Nenonen, Suvii ; Defining Indicators for Performance of Building and People -towards holistic approach	10.30 Matilainen, Pellervo ; How to influence on carbon footprint of an office building in design phase?	10.30 Mikkonen, Virpi ; Tekes Sustainable Community program
	10.40 Petersen, Mads ; An integrated design process – One step further	10.45 Dooley, Kenneth ; Capturing the Stakeholder Values of a Construction Project	10.45 Ahonen, Markku ; Integration of life-cycle energy efficiency tools and services	10.40 Tommila, Mauri DigiEcoCity Projects in China
	10.50 Hemström, Kerstin ; The perceptions of Swedish architects and structural engineers towards use of wood frames in multi-storey buildings	11.00 Porkka, Janne ; Tool for assessing Indoor Performance: Case study examples from Perfection project.	11.00 Rintala, Timo ; Method to determine and manage building energy efficiency during design process	11.05 Lylykangas, Kimmo ; Sustainable holiday housing - case Ekolatu
	11.00 Nair, Gireesh ; Role of sellers/installers in the diffusion of energy efficient windows in Swedish detached houses	11.15 Koskela, Lauri ; Lean and sustainability in construction: a second look	11.15 Gudnason, Gudni ; Drivers for sustainable renovation in residential buildings after adoption of thermal insulation requirements	11.30 Giesecke, Raphael ; Electric Mobility Needs Smart Infrastructures
	11.10 Mastrolonardo, Luciana ; Local resources and sustainable industrial production for the post earthquake reconstruction in the territory of L'Aquila. (Abruzzo, Italy)	11.30 Airaksinen, Miimu ; Users behaviour and energy consumption, how can we influence on that design phase?	11.30 Paduart, Anne ; Sustainable benefits of a 4Dimensional renovation approach- introducing adaptability and disassembly strategies	11.55 Mikkonen, Virpi ; Discussion and conclusions
	11.20 Haase, Matthias ; Development of future weather data set based on SRES scenario			
	Discussion	Discussion	Discussion	
12.00	Lunch			
13.15	<p>Keynote - Hall 1 Chair: Kangas Reijo Keynote: Stenros Anne, Kone: Pebble Power, Co-creating Cities</p>			
14.00	<p>SESSION A4: Neighbourhood assessment Room 4 Chair: Malbert Björn</p>	<p>SESSION M2: Indicators frameworks and assessment Room Palaver Chair: Nenonen Suvii</p>	<p>SESSION P4: Roles of different actors in sustainable building processes Room Luolamies Chair: Kiviniemi Arto</p>	<p>SESSION S3: Nordic examples of sustainable refurbishment [In Finnish] Hall 1 Chair: Nousiainen Mikko</p>
	14.00 Wahlgren, Irmeli ; Sustainable built environment – assessment of eco efficiency in urban planning	14.00 Frandsen, Anne Kathrine ; CREDIT Performance Indicator Framework	14.00 Nibel, Sylviane ; SYSMEO : Sustainable Building Management Tool	14.00 Nousiainen, Mikko ; Avaus Toimisto: Synergiatalo – käyttäjätavoitteista toteutukseen
	14.15 Heinonen, Jukka ; A Life Cycle Assessment of Carbon Mitigation Possibilities in Metropolitan Areas	14.10 Huovila, Aapo ; Evaluation of Workspace Performance with a Multi-Criteria Model Approach	14.15 Haugbølle, Kim ; Client innovation networks: Energy savings in housing refurbishment	14.05 Nissinen, Ari ; Vaativan käyttäjän nakokulma (SYKE)
	14.30 Foliente, G ; A Multi-scale Systems Approach to Greenhouse Gas Emissions Reduction in Residential Housing	14.20 Antuñá Rozado, Carmen ; A methodology for the development of a sustainable index for construction works in Spain	14.30 Taipale, Kaarin ; Financing as risk management in a sustainable building process	14.20 Niemelä, Juha ; Omistajan rakennuttamisprosessi (Senaatti-kiinteistöt)
	14.45 Xu, Zhao ; Application of system dynamics and DPSIR framework for sustainability assessment of urban residential areas.	14.30 Virta, Maija ; Sustainable Office Building: Should I Focus on HVAC-system Design or Building Envelope	14.45 Häkkinen, Tarja ; Sustainable building process findings from the view point of different actors	14.35 Simunaniemi, Veikko ; Asunto: Low cost -housing ratkaisut (Jarvenpään Mestariasunnot)
	15.00 Nystedt, Åsa ; Development of ecological city planning concept for St. Petersburg	14.40 Dodoo, Ambrose ; Life cycle primary energy perspective on retrofitting an existing building to passive house standard	15.00 Karjalainen, Auli ; 'Senate Properties' case study - sustainable building process	14.50 Knuutilinen, Jouko ; Asunto: Passiivikerrostalokokeilu pohjoisessa ilmastossa (TA-asumisoikeus)
	Discussion	14.50 Mustakallio, Panu ; Sustainable office building: How good energy efficiency can be achieved with modern technology in different climate conditions	Discussion	15.05 Mämmelä, Jukka ; Kauppa: Kauppakiinteistöjen energiatehokas talotekniikka – Case CO ₂ -jäähdytys (ARE)
		15.00 Airaksinen, Miimu ; Energy use in day care centres and schools in Espoo		15.20 Nousiainen, Mikko ; Tekesin Kestävä yhdyskunta-ohjelma nyt ja jatkossa
		Discussion		
15.30	Coffee			
16.00	<p>Workshop - Room 4 Future Challenges and Opportunities in Sustainable Communities Workshop facilitated by Greg Foliente, CSIRO</p>			<p>SESSION S2: Sustainable concepts and systems Hall 1 Chair: Haapio Appu</p>
				16.00 Giannotti, Raffaella ; Sustainable, materials, components and technologies: green and smart proposals for the post earthquake reconstruction in the territory of L'Aquila. (Abruzzo, Italy)
				16.10 Sallanko, Jarmo ; Wastewater purification by snowmaking
				16.20 Kettunen, Ari-Veikko ; Intelli-structure – an ecological way to heat and cool buildings
				16.30 Amogpai, Ater ; Solar panels combined with LED lighting – case study from Finland
				16.40 Karhu, Jessica ; Different ways to develop green housing
				16.50 Alvoittu, Ilkka ; Training the users – how construction company can facilitate energy efficient living?
				Discussion
19.00	<p>Banquet at SIPULI Dinner speech by Architect Danny Hall, Deputy Chief of Mission, U.S. Embassy Helsinki</p>			

Excursion 1

Day 3 - Fri 24 Sep				
08.30	SB10 Regionals - Hall 1 facilitation: Nils Larsson Introduction to SB Conference series: Bill Porteous, CIB Reports from SB10 Regional Conferences: Seoul, Algarve, Madrid, Kuala Lumpur, Wellington, Prague, Amman + Euregion, São Paulo			Ekursion 2
10.00	<i>Coffee</i>			
10.30	<i>SESSION P6: Procurement and lead market</i> Hall 1 Chair: Airaksinen Miimu	<i>SESSION W2: Residential well-being</i> Room Palaver Chair: Staffans Aija	<i>SESSION S4: Sustainable buildings and materials</i> Room Luolamies Chair: Nieminen Jyri	
	10.30 Kajander, Juho-Kusti; Challenges of sustainability business innovations in built environment	10.30 McCullough, Jane; Methodology for assessing end users and design teams' perceptions, awareness and behaviours around sustainable housing design	10.30 Alwan, Zaid; How Effective is the Code for Sustainable Homes as a mechanism for delivering zero carbon for domestic buildings in the UK	
	10.40 Herralá, Maila; From Social Responsibility and Environmental Management to Sustainable Business	10.45 Frandsen, Anne Kathrine; The healing potential of architectural design	10.45 Liedl, Petra; Interplay Climate-Man-Building-Energy: Planning tools for office building design in different climate zones considering energy and room climate	IEA-ECBCS Annex Room 4 Chair: Virtanen Markku
	10.50 Bergman, Isa-Maria; Sustainable construction and innovation through procurement - the SCI Network	11.00 Kuittinen, Matti; Ecological sustainability is constructed of individual well-being	11.00 Vanhanen, Tero; Finnish large-module construction creates modern art in an energy efficient and cost-efficient way	11.00-12.15 Oka, Tatsuo Report of the outcome from the workshop on "Evaluating the overall CO2 emission due to buildings and the building construction industry"
	11.00 Huovila, Pekka; Public procurement systems in Sustainable Building. How to integrate sustainability and project delivery systems	11.15 Tuokkola-Lijavirta, Karolina; Sustainable Tourism Destinations – challenging tourist and land-use perspectives	11.15 Valkeisenmaki, Iina; Wooden Passive Holiday Home for Lapland: Design Principles and Energy Simulation	
	11.10 Nikula, Jussi; Practical Sustainability and Cost-saving Opportunities in Municipal Operations. Where Do They Exist and How to Exploit Them? Case: City of Kerava, Finland.	11.30 Huuskonen, Arto; Business Logics in Seniors' Housing Industry: A Business Model Study in Four Seniors' Housing Cases	11.30 Söderlund, Aaro; Floating EcoCity: Case of Tianjin, China	
	11.20 Naaranoja, Marja; Green infrastructure as a service system	Discussion	Discussion	
	Discussion			
12.00	<i>Lunch</i>			
13.00	Panel discussion facilitated by Bill Porteous Panelists: Ilari Aho, Kaj Hedvall, Thomas Lützkendorf Awards SB10 Statement SB11 Welcome Closing ceremony			