19 September

Lund Institute of Technology, Sölvegatan 24, A-building, conference room floor 4

13:00-14:00	IBPSA-Nordic General Meeting, Ala Hasan VTT	Attendance : IBPSA-Nordic members only				
14:00-16:00	IBPSA-Nordic Board Meeting, Ala Hasan VTT	Attendance: IBPSA-Nordic Board members only				
	Lund Institute of Technology, Sölvegatan 24, A-building, hall C					
16:00-16:30	IBPSA-Nordic Seminar 2013 Opening	open				
16:30-18:30	Session about building simulation teaching, Matthias Haase SINTEF	open				
20:00-	Joint dinner	open				

20 September

IBPSA-Nordic Seminar 2013 - Participant's Sessions, Lund Institute of Technology, Sölvegatan 24, Abuilding

08:30-	Registration including payment of meeting fee 600 SEK
09:00	

Session A1 on BIM and Energy, Lund Institute of Technology, Sölvegatan 24, A-building, hall A Session leader: Kim Wittchen

	Author	Affiliation	Title	Simulation tool	Topic	Country
09:00- 09:20	Researcher, Marko Granroth	Division of Building Service and Energy Systems, KTH	Smart Building Performance Assessment, integrated real time monitoring and building simulation	BIM based simulation tools	ВІМ	Sweden
09:20- 09:40	PhD candidate, Vladyslav Shchuchenko	Norconsult/Telemark University College	Low energy hospitals	IDA ICE	Energy	Norway
09:40- 10:00	PhD candidate, Jérôme Le Dréau	Department of Civil Engineering, Aalborg University	Modelling the energy performance of night-time ventilation using the quasisteady state calculation method	Calculation method	Energy	Denmark
10:00- 10:20	Takeshi Ihara	Department of Architectural Design, NTNU	Building energy controlled by the highly reflective facades	WUFI Plus	Energy	Norway

10:20- Coffee break

10:50

	Author	Affiliation	Title	Simulation tool	Topic	Country
10:50- 11:10	PhD Candidate, Andreas Eggertsen Teder	Department of Architectural Design, NTNU	Form and energy optimization of Plus energy office buildings - Learnings from Powerhouse One	Simien, PVSyst, Ecotect	Energy - nZEB	Norway
11:10- 11:30	Sunliang Cao	HVAC technology, Aalto University	Extended matching indices and dynamic matching analysis of simulated buildings with hybrid on-site energy systems	TRNSYS	Energy - nZEB	Finland
11:30- 11:50	Postdoc, Genku Kayo	Department of Energy Technology, Aalto University	Simulation analysis of energy sharing effects in a cluster of buildings	Unknown	Energy - nZEB	Finland
11:50- 12:10	PhD Candidate, Qian Wang	Division of Building Service and Energy System, KTH	Energy modelling of low temperature heating system-A comparison study for energy and thermal comfort retrofitting potential	Unknown	Energy - nZEB	Sweden

12:10- Lunch

13:30

Session A3 on Energy and nZEB, Lund Institute of Technology, Sölvegatan 24, A-building, hall A Session leader: Patrik Rhodin

	Author	Affiliation	Title	Simulation tool	Topic	Country
13:30- 13:50	PhD Candidate, Janne Hirvonen	Department of Energy Technology, Aalto University	TRNSYS simulation of building energy systems for heat and electricity sharing	TRNSYS	Energy - nZEB	Finland
13:50- 14:10	PhD Candidate, Ayman Mohamed	Department of Energy Technology, Aalto University	Using Matching capability to select micro-cogeneration heat and power achieving Net Zero Energy Building under thermal and electric tracking strategies	TRNSYS	Energy - nZEB	Finland
14:10- 14:30	Master students Martin Adolfsson, Hannes Hjerpe, Alejandro Pacheco Diéguez	Lund University	Office Building Energy Efficient Refurbishment in Lund (Sweden) with Especial Focus on Daylight Use and HVAC design	Designbuilder, Ecotec, Radiance, Energyplus	Energy - nZEB	Sweden

14:30- 14:50	Master student Ariane Hartmann, Thorunn Arnardottir	Lund University	Different Methods, Examples and Programs to Improve Lighting Conditions in Buildings	Designbuilder, Ecotec, Radiance, Energyplus	Energy - nZEB	Sweden
14:50- 15:10	PhD candidate, Henrik Davidsson	Division of Energy and Building Design, LTH	Hybrid ventilation with heat recovery - system analysis	TRNSYS	Energy	Sweden
15:10-	Coffee break					

15:30

15:30- Discussion and summary

16:00

Session C1 on software issues etc., Lund Institute of Technology, Sölvegatan 24, A-building, hall C Session leader: Vojislav Novakovic

	Author	Affiliation	Title	Simulation tool	Topic	Country
09:00- 09:20	Ciarán Flynn	Department of Energy Technology, Aalto University	Modelling the Drake Landing Solar Community with TRNSYS 17 and estimating its potential performance under Helsinki conditions	TRNSYS	Energy - solar	Finland
09:20- 09:40	Jiangtao Du	Division of Energy and Building Design, LTH	Daylight availability, building orientations and ground factors in urban areas: a case in Sweden	DAYSIM	Indoor environment	Sweden
09:40- 10:00	Matti Palonen (presenter Ala Hasan)	Aalto university	MOBO a multi- objective building performance optimization software	Optimisation software	Software issues	Finland
10:00- 10:20	Mette Havgaard Vorre	Danish Building Research Institute	Radiation in thermal comfort simulations	Simulation model	Software issues	Denmark

10:20- Coffee break

10:50

Session C2 on software issues and validations and calibration, Lund Institute of Technology, Sölvegatan 24, A-building, hall C Session leader: Jörgen Christensen

	Author	Affiliation	Title	Simulation tool	Topic	Country
10:50- 11:10	Daniel Olsson	CIT Energy management	Weather forecast control for heating of buildings compared with some other control strategies	Unknown	Software issues	Sweden

11:10- 11:30	PhD candidate, Benjamin Berhendt	Building physics and services, DTU Bygg	Simple Simulation Tool for Thermally Activated Building Systems based on ISO 11855.	Calculation procedure	Software issues	Denmark
11:30- 11:50	PhD candidate, Benjamin Berhendt	Building physics and services, DTU Bygg	Climate Classification for the Simulation of Thermally Activated Building Systems.	Calculation procedure	Software issues	Denmark
11:50- 12:10	Pär Carling	EQUA Solutions AB	Empirical model validation based on existing control system signals	IDA ICE?	Validation and calibra- tion	Sweden

12:10- Lunch

13:30

Session C3 on software issues and validations and calibration, energy-nZEB, Lund Institute of Technology, Sölvegatan 24, A-building, hall C Session leader: Matthias Haase

	Author	Affiliation	Title	Simulation	Topic	Country
	Author	Allillation	Title	tool	Торіс	Country
13:30- 13:50	Stipendiat, Line Røseth Karlsen	Institutt for Bygg og Energiteknikk, Høgskolen i Oslo og Akershus	Operative temperature in the sun	Calculation procedure	Validation and calibra- tion	Norway
13:50- 14:10	Li Rong	Department of Engineering, Aarhus University	Application of Computational Fluid Dynamics (CFD) to study a hybrid ventilation system in a cattle building	CFD Ansys Fluent 14.0	Validation and calibra- tion	Denmark
14:10- 14:30	PhD candidate, Jouri Kanters	Division of Energy and Building Design, LTH	A comparison of two solar energy tools for assessing the solar potential of building blocks in dense environments	Ecotect and DIVA-for- Rhino	Software issues	Sweden
14:30- 14:50	Master student Anton Hilling	Lund University	Energy Efficient Office Building – Integrating Daylight and Ventilation	Designbuilder, Ecotec, Radiance, Energyplus	Energy - nZEB	Sweden
14:50- 15:10	Master student Ludde Gölén	Lund University	Refurbishment Office Building	Designbuilder, Ecotec, Radiance, Energyplus	Energy - nZEB	Sweden

15:10- Coffee break

15:30

15:30- Discussion and summary

16:00