

Time	Monday September 1st		
08:00-09:00	Registration		
09:00-10:40	Session I: Opening and plenary Location: HT-105 Haskolatorg Chair: Olafur Petur Palsson		
	Opening <i>Geir H. Haarde, Prime Minister of Iceland</i>		
	District heating and cooling: key to a successful EU climate policy <i>Sabine Froning, director of Euroheat & Power</i>		
	Building DH infrastructure <i>Lars Gullev, director of VEKS in Copenhagen</i>		
	Why District Energy is Essential for Carbon Reduction <i>Mark Spurr, president FVB Energy Inc., legislative director International District Energy Association</i>		
10:40-11:00	Coffee break		
11:00-12:10	Session II-a: District heating and cooling - General Location: HT-105 Haskolatorg Chair: Svend Frederiksen	Session II-b: Energy flexibility Location: HT-104 Haskolatorg Chair: Carl-Johan Fogelholm	
	European DHC research issues <i>Robin Wiltshire, Jonathan Williams and Sven Werner</i>	Biomass gasification and biorefinery in combined heat and power plants <i>Thomas Kohl and Carl-Johan Fogelholm</i>	
	CHP and district heat in Europe under an emission reduction regime <i>Markus Blesl</i>	Lowex-fernvarme; multilevel district heating <i>A. Dittmann, W. Richter, M. Rhein, A. Wirths, S. Robbi, M. Knorr and S. Gross</i>	
	Technical and economical evaluation of a district cooling system in a commercial area <i>Stefan Holler</i>	Influence of wind energy on the long term development of CHP - potential for ancillary services and thermal storage <i>Frieder Borggrefe and Hendrik Saemisch</i>	
12:15-13:15	Lunch		
13:15-15:00	Session III-a: District Heating - General Location: HT-105 Haskolatorg Chair: Ragnheidur I Thorarinsdottir	Session III-b: Optimization Location: HT-104 Haskolatorg Chair: Rolf Ulseth	
	Durability of shrink joints <i>Sven-Erik Sallberg and Stefan Forsaeus Nilsson</i>	Optimized space heating system operation with the aim of lowering the primary return temperature <i>Patrick Ljunggren, Per-Olof Johansson and Janusz Wollerstrand</i>	
	Numerical investigation on the axial interaction between buried district heating pipes and soil <i>Ingo Weidlich and Martin Achmus</i>	Multi-period MINLP model for investigating long-time thermal storages in DH network applied to Suwon, Korea <i>Tor-Martin Tveit, Kim Sangsu and Carl-Johan Fogelholm</i>	
	Life cycle assessment and life cycle costs of a new plastic piping system <i>Ivo Smits, J. Korsman and S. de Boer</i>	Modeling the nonlinear temperature response of district heating systems for model predictive control applications <i>Pierre Pinson, Henrik Madsen, Torben S. Nielsen, Henrik Aa. Nielsen and Niels K. Poulsen</i>	
	Long term heat loss of plastic polybutylene piping systems <i>Stefan de Boer, J. Korsman and I.M. Smits</i>	Intelligent distributed load control <i>Fredrik Wernstedt and Christian Johansson</i>	
	Shallow burial of district heating pipes <i>Sven-Erik Sallberg and Stefan Forsaeus Nilsson</i>	About optimization of DH substation types in China <i>A. Nuorkivi, G. Draugelis, B. Kalkum, X. Peng</i>	
15:00-15:20	Coffee break		
15:20-17:20	Session IV-a: District Heating - general Location: HT-105 Haskolatorg Chair: Heiko Huther	Session IV-b: Simulation Location: HT-104 Haskolatorg Chair: Lars Gullev	Session IV-c: Other topics Location: HT-303 Haskolatorg Chair: Halldor Palsson
	A new low temperature DH system for low-energy buildings <i>P.K.Olsen, H.Lambertsen, R.Hummelshoj, B.Bohm, C.H.Christiansen, S.Svendsen, C.T.Larsen and J.Worm</i>	Advantages with small control valves <i>Gunnar Nilsson</i>	Pipe network cost models for system analysis <i>Halldor Kristjansson and Benny Bohm</i>
	The major characteristic parameters of the Estonian district heating networks, their problems and development <i>Aleksandr Hlebnikov and Andres Siirde</i>	District heating systems for small scale development areas <i>Rory McDougall and Bjornulf Jensen</i>	Open heat exchanger for improved heat efficiency in geothermal spas <i>Saeid Jalili Nasrabad, Halldor Palsson and Gudrun Arnbjorg Saevarsdottir</i>
	Obstacles for natural circulation in heating systems, connected to DH via heat exchangers, during a power failure <i>Per-Olof Johansson, Patrick Ljunggren and Janusz Wollerstrand</i>	Consumer unit for low energy district heating net <i>Otto Paulsen, Jianhua Fan, Simon Furbo and Jan Eric Thorsen</i>	Methods for detecting fouling in heat exchangers <i>Oddgeir Gudmundsson, Olafur Petur Palsson, Halldor Palsson, Sylvain Lalot</i>
	Un-interrupted DH supply in the event of an electric power failure <i>Svend Frederiksen, Janusz Wollerstrand and Patrick Ljunggren</i>	Reliability analysis of district heating systems <i>Andreas Wolters</i>	Distribution systems in block of flats <i>Halldor Kristjansson</i>
	New district heating initiatives in the UK <i>Antonio Aguilo-Rullan and Jonathan Williams</i>	Building mass used as short term heat storage <i>Lena Olsson Ingvarson and Sven Werner</i>	Reconstructing 3D building models from laser scanning to calculate the heat demand <i>Hauke Neidhart and Monika Sester</i>
19:00	Symposium Dinner		

Time	Tuesday September 2nd	
08:30-10:00	Session V-a: Environment/Management Location: HT-105 Haskolatorg Chair: Pall Valdimarsson	Session V-b: IEA End Annex Location: HT-104 Haskolatorg Chair: Robin Wiltshire
	Internalisation of external costs in studies of local district-heating based energy systems <i>Elsa Fahlen, Erik Ahlgren, Tomas Ekvall and Jenny Sahlin</i>	District heating distribution in areas with low heat demand density <i>Heimo Zinko, Benny Bohm, Kari Sipila, Halldor Kristjansson, Ulrika Ottosson, Miika Rama</i>
	Make the heat hotter! - marketing district heating to households in detached houses <i>Kerstin Sernhed and Jurek Pyrko</i>	New materials and constructions for improving the quality and lifetime of district heating pipes <i>Ulf Jarfelt and Olle Ramnas</i>
	Tariff regulation and competition as means to improve the market penetration of District Heating and Cooling systems <i>Franco Becchis and Giuseppe Genon</i>	Improved cogeneration and heat utilization in DH networks <i>C-J. Fogelholm, A. Gebremedhin, K.Sangsu Kim, L. Pedersen, T. Savola, J.Stang, T. M. Tveit and H Zinko</i>
		Cost benefits and long term behaviour of a new all plastic piping system <i>J. Korsman, S.de Boer and I. M. Smits</i>
10:00-10:20	Coffee break	
10:20-12:20	Session VI-a: CHP Location: HT-105 Haskolatorg Chair: Lennart Thornqvist	Session VI-b: Efficiency Location: HT-104 Haskolatorg Chair: Andres Siirde
	The primary energy concept <i>Monica Berner and Rolf Ulseth</i>	Prediction of heat losses from district heating twin pipes <i>Camilla Persson and Johan Claesson</i>
	Methodology and structure of computational model to estimate economical and technical profitability of small scale combined heat and power plants <i>Eduard Latosov and Andres Siirde</i>	System optimization of a new plastic piping system <i>J. Korsman, I. Smits and S. de Boer</i>
	Potential of CHP and district heat in Germany; model based analysis linked with a digital GIS based heat demand map <i>Stephan Kempe and Markus Blesl</i>	Insulating properties of semi-flexible polyurethane foams <i>Charlotte Reidhav, Ulf Jarfelt and Olle Ramnas</i>
	The potential for small scale CHP in Sweden in 2010 and 2030 <i>Knut Bernotat</i>	Solubility of cyclopentane in polyurethane foam and implications for district heating pipes <i>Camilla Persson, Ulf Jarfelt and Olle Ramnas</i>
	Energy efficiency consideration of geothermal based power production <i>Marta Ros Karlsdottir, Halldor Palsson, Olafur Petur Palsson</i>	Identification of promising technologies for electricity and heat supply based on a multidimensional analysis <i>Julia Oberschmidt and Peter Radgen</i>
12:20-13:20	Lunch	
13:20-15:00	Session VII: 100 YEARS anniversary of geothermal space heating in Iceland Location: HT-105 Haskolatorg Chair: Gustaf Adolf Skulason	
	Opening <i>Ossur Skarphedinsson, Minister of Industry, Energy and Tourism</i>	
	On Geothermal Energy in Iceland <i>Olafur G. Flovenz, General Director, ISOR (Iceland Geosurvey)</i>	
	100 Years of Geothermal Space Heating <i>Sveinn Thordarson, historian</i>	
	Geothermal Space Heating in Iceland, Closing the Circle <i>Haukur Johannesson, Chief Geologist, ISOR (Iceland Geosurvey)</i>	
The Icelandic Deep Drilling Project <i>Gudmundur Omar Fridleifsson, Chief Geologist</i>		
15:00-15:20	Coffee break	
15:20-16:00	Session VIII: Closing session	

Other organized activities during the symposium:

Sunday August 31st

Excursion to the South of Iceland from 10:00 – 18:00

11th International Symposium on District Heating and Cooling
 August 31 to September 2, 2008. Reykjavik, Iceland

