

Program

Day 1 – Thursday 23rd of October

11:30 - 13:00	Lunch and Registration Restaurant “Hyllan”, Kårhusrestaurangen
13:00	Welcome <i>Peter Glarborg, Chairman, and Lars-Erik Åmand</i>
	Session 1 – Session chair: Peter Glarborg
13:10	Invited speaker: Zhongshan Li, Lund Institute of Technology <i>Investigation of turbulent flame structures with advanced PLIF and detection of dark combustion intermediate species with novel IRPS/DFWM</i>
13:55	Laser-induced exciplex fluorescence for temperature measurements and two-phase diagnostics of a diesel fuel spray Mats Andersson
14:20	Rotational Coherent anti-Stokes Raman spectroscopy (CARS) for flame thermometry Alexis Bohlin, Fredrik Vestin, and Per-Erik Bengtsson
14:45	Coffee
	Session 2 – Session chair: Bo Leckner
15:05	Multiple scattering suppression in laser planar imaging using structured illumination: Applications for spray diagnostics E. Kristensson, E. Berrocal, M. Richter, S-G Pettersson M. Linne and M. Aldén
15:30	Development of a temporal filtering technique for suppression of interferences in combustion diagnostics Andreas Ehn, Billy Kaldvee, Joakim Bood, and Marcus Aldén
15:55	Laser-Induced Incandescence (LII) for soot particle diagnostics Jonathan Johnsson, Henrik Bladh and Per-Erik Bengtsson
16:20	Break
	Session 3 – Session chair: Lars-Erik Åmand
16:35	Picosecond-LIDAR System for Large-Scale Combustion Billy Kaldvee, A. Ehn, J. Bood, and M. Aldén
17:00	Cone Calorimeter – A tool for measuring Heat Release Rate Johan Lindholm, Anders Brink and Mikko Hupa
17:25	Analyzing Fuel Properties by a Single Particle Furnace – Combination of Modeling and Measurements Oskar Karlström, Anders Brink, and Mikko Hupa
17:50	End of day one
19:30	Dinner

Day 2 – Friday 24th of October

	Session 4 – Session chair: Maria Zevenhoven
08:15	Invited speaker: Lars-Erik Åmand, Chalmers University of Technology <i>Measurements of gas components in boilers - A practical approach</i>
08:50	Measurement of fly ash particles upstream of the convective path in two fluidised bed boilers Linda Bäfver, A. Johansson, E. Blomqvist Wikström, and K. Davidsson
09:15	Raw gas measurement on the Chalmers Gasifier M. C. Seemann, F. Lind, and H. Thunman
09:40	Coffee
	Session 5 – Session chair: Anders Brink
10:00	Experiences on Probe Deposit Measurements in Utility Boilers Flemming J. Frandsen
10:25	Radiation measurements and modelling of lignite-fired oxy-fuel flames Klas Andersson, Robert Johansson, Bo Leckner, Stefan Hjærtstam, Filip Johnsson
10:50	Analysis of bed material from co-combustion of biomass fuels in CFBC Patrycja Piotrowska, Maria Zevenhoven, Mikko Hupa, Vesna Barišić, and Edgardo Coda Zabetta
11:15	Ash forming matter in peat – the role of iron Maria Zevenhoven, Jaakko Lehtovaara, Stefan Storholm, and Mikko Hupa
11:40	Lunch
	Session 6 – Session chair: Marcus Aldén
12:55	Soot particle size and concentration in diesel flames Raúl Ochoterena, M. Goreiro, M. Andersson and S. Andersson
13:20	High speed imaging of the combustion in a heavy-duty, marine engine Hanne Hostrup Nielsen
13:45	Analysis of the correlations between engine out emissions and local Φ in the lift-off region of a heavy duty diesel engine using Raman spectroscopy Johan Sjöholm, Mattias Richter, Marcus Aldén, Ulf Aronsson, Clément Chartier, Öivind Andersson, and Rolf Egnell
14:10	Sampling of hot combustion aerosols – A laboratory study on the behaviour of alkali metal compounds in a diluting sampling probe Olli Sippula and J. Jokiniemi
14:35	Coffee
	Session 7 – Session chair: Maja Bøg Toftegaard
14:55	IACM – an instrument for measurement of gaseous alkali chlorides during combustion Håkan Kassman, Tomas Leffler, Elin Edvardsson, and Shahriar Badiei
15:20	The use of the in-situ alkali chloride monitor to study transients in a fluidised bed boiler Kent O. Davidsson, L.-E. Åmand and H. Kassman
15:45	End of meeting