

Advanced Energy Technologies Workshop

sponsored by the Peder Saether Center for Advanced Studies,
the Norwegian University of Science and Technology and SINTEF Energy Research
PFI Auditorium, 5th Floor Paper Research Institute, Høgskoleringen 6B, Trondheim
Monday September 12th 2016

09:15 Start

09:15-09:20 "Welcome & Introduction" by Andrea Gruber (SINTEF ER)

09:20-09:50 "High efficiency engines, CCS in Saudi Arabia and 100M dead trees in California"
by Robert W. Dibble (KAUST)

09:50-10:10 "The Argon power cycle, a tailored power generation solution for CCS"
by Miguel S. Aznar / J.-Y. Chen (UC Berkeley)

10:10-10:30 "Effects of Argon on the thermal efficiency of natural gas engines"
by Tian Li / Liguang Li (Tongji University)

10:30-10:45 Break w/refreshments

10:45-11:05 "BIGCCS and NCCS - Norwegian CCS research centres"
by Kristin Jordal (SINTEF ER)

11:05-11:30 "Design and thermoeconomic evaluation of a waste plant with an integrated CO2
chemical sequestration system for CH4 production"
by Enrico Sciubba (Universita' di Roma "La Sapienza")

11:30-12:00 "Oxy-combustion of pulverized coal"
by Reinhold Kneer (RWTH Aachen)

12:00-14:00 Lunch Break and ICE-Lab Tour by Terese Løvås (NTNU)

14:00-14:30 "Development challenges for marine two-stroke engines and optical diagnostics at MAN
Copenhagen"
by Johan Hult (MAN)

14:30-15:00 "Utility Gas Turbines - Research needs to meet future challenges"
by Khawar Syed (General Electric)

15:00-15:15 Break w/refreshments

15:15-15:35 "Experimental investigation of combustion dynamics at NTNU"
by James Dawson / Nicholas Worth (NTNU)

15:35-15:55 "Present and future uses of High Performance Computing in applied energy research"
by Andrea Gruber (SINTEF ER)

16:00 End of program