

11:00 *Registration***11:30** *Lunch*

12:30 Truls Gundersen: “Welcome”

12:35 Arne Ulrik Bindingsbø (Equinor and Chairman of HighEFF Executive Board): “Reduced CO₂ Emissions and Energy Efficiency, hand in hand?”

13:00 Håkon Selvnes (PhD/WP 3.3): “Cold Thermal Energy Storage for Refrigeration Systems: Lessons learned and future Perspectives”

13:25 Zhongxuan Liu (PhD/WP 1.2): “Optimization of a Liquefied Air Energy Storage System”

13:45 Vegar Andersen (PhD/WP 4.1): “Update on Flue Gas Recirculation for the Silicon Process”

14:05 *Coffee Break*

14:20 Marcin Pilarczyk (PD/WP 3.1): “Heat Transfer Enhancement in Heat Recovery Units”

14:40 Brede Hagen (PhD/WP 3.1): “Gradient based Optimization of Rankine Cycles”

15:05 Mina Shahrooz (PhD/WP 3.1): “Performance of Binary Zeotropic Mixtures”

15:30 David Pérez Piñeiro (PhD/WP 3.3): “Improving Battery Management under Imperfect Forecast using MPC-based Reinforcement Learning”

15:50 *Coffee Break*

16:05 Zawadi N. Mdoe (Assoc. PhD/RA 4): “Data-driven and Online Scenario Selection for Multi-stage NMPC”

16:25 Ehsan Allymehr (PhD/WP 2.3): “Refrigerant Charge Requirements in an optimized Fin and Tube Evaporator”

16:45 Marcel U. Ahrens (Assoc. PhD/RA 3): “Hybrid Absorption-Compression Heat Pumps using Ammonia and Water – State of the Art and ongoing Development”

17:05 Khalid Hamid (PhD/WP 3.2): “Background and future Plans for PhD”

17:15 Jens Petter Johansen (PhD/WP 5.1): “A Sociological Study of how Energy Efficiency is produced, as seen through the Lens of an Industry-Research Center in Norway”

17:25 Truls Gundersen: “Closing Remarks”

17:30 *End of Seminar***19:00** *Dinner at Scandic Hell*