



KTH - CCGEx

KTH CCGEx – Competence Centre for Gas Exchange Research day and IAB Experts program Oct 9-10, 2014

October 9:

IAB experts arrival + hotel check in

19:00 Dinner with CCGEx head and research leaders

October 10:

Part 1: Interviews

Location: Teknikringen 8, room Texas

- 08.00-08.45 Interviews with the PhD students
- 08.45-09.00 Coffee
- 09.00-09.45 Interviews with research leaders incl industrial partners

Part 2: CCGEx research day

Location: Teknikringen 8, room Faxen

- 09.45-10.15 Registration + Coffee
- 10.15-10.30 Opening by CCGEx head – Jonas Holmborn
- 10.30-11.30 Research area: Compressor off design
 - intro + overview (10 minutes) - Mihai Mihaescu:
 - Three PhD project presentations (15 min x 3)
 - “Compressor maps for real engine installations” – Bertrand Kerres
 - “Large eddy simulation of compressor surge” – Elias Sundström
 - “Rotating machines and innovative noise control” – Raimo Kabral
- 11.30-13.00 Lunch incl poster session
- 13.00-14.00 Research area: Hot side
 - Mihai Mihaescu: intro + overview (20 minutes)
 - Three PhD students intro (5 min x 3)
 - One PhD project presentations (15 min)
 - “Detailed modelling of single and double turbines” – Johan Fjällman
- 14.00-14.15 New research area: After-treatment
 - Mikael Karlsson: Overview + plans
- 14.15-14.45 Coffee break
- 14.45-15.30 Invited lecture Prof Roland Baar "Development trends for future commercial and passenger vehicle boosting systems"
- 15.30-16.00 Poster session
- 16.00-16.15 Closing and summary – Jonas Holmborn

Part 3: IAB summary

Location: Teknikringen 8, room Texas

- 16.30-17.30 IAB meets CCGEx head and research leaders, board members + SICEC chairman to summarize their impressions and their recommendations.