



**Keilir**  
Orku- og  
tækniskóli

# Current Topics in Energy Technology and Mechatronics

A Journal Club presented by ENS03 English III

**Wednesdays 12:00 – 13:00, free and open to the public**

**Room A1, Keilir Atlantic Center of Excellence, Grænásbraut 910, 235 Reykjanesbær**

- 29.09.10** **Róbert Unnpórsson:** The Design of humanoid Robot Arm based on Morphological and Neurological Analysis of Human Arm (Lee et al., 2007)  
**Kristinn Heiðar Jakobsson:** TBA
- 6.10.10** **Ólafur Ólafsson:** Sustainable desalination using solar energy (Gude et al., 2010)  
**Björg Árnadóttir:** Mineral control of arsenic content in thermal waters from volcano-hosted hydrothermal systems (Ajuppa et al., 2006)
- 20.10.10** **Baldur Waage:** Social behaviour of dogs encountering AIBO, an animal-like robot in a neutral and in a feeding situation (Kubinyi et al., 2004)  
**Burkni Pálsson:** An experimental study of a direct injection compression ignition hydrogen engine (Antunes et al., 2009)
- 27.10.10** **Fida Muhammed Abu Libdeh:** The impact of biodiesel blend ratio on vehicle performance and emissions (Bannister et al., 2009)  
**Oddsteinn Guðjónsson:** Control methods for exoskeleton rehabilitation robot driven with pneumatic muscles (Xiong et al., 2009)
- 3.11.10** **Gísli Lárusson:** Biodiesel production from waste cooking oils (Phan et al., 2008)  
**Jón Ásgeir Haukdal Þorvaldsson:** TBA
- 10.11.10** **Egill Jónasson:** Thermal Conductivity Measurement of the Synthetic Samples of Bottom Sediments Containing Methane Hydrates (Duchkov et al., 2009)  
**Kristinn Kristmundsson:** An Experience Based Learning Controller (Goswami et al., 2010)
- 17.11.10** **Siranoush María Torossian:** Energy efficiency and indoor thermal perception: a comparative study between radiant panel and portable convective heaters (Ali et al., 2010)  
**Ólafur Kristjánsson:** Increase of passenger car engine efficiency with low engine-out emissions using hydrogen–natural gas mixtures: A thermodynamic analysis (Dimopoulos et al., 2007)
- 24.11.10** **Sverrir Ágústsson:** Study on combustion characteristics of a methanol–diesel dual-fuel compression ignition engine (Wang et al., 2008)  
**Rúnar Már Kristinsson:** Outline of a small unmanned aerial vehicle (Ant-Plane) designed for Antarctic research (Funaki et al., 2008)

**Everyone welcome - Bring your own lunch**

Coordinator: Stefan Otte, [stefan@keilir.net](mailto:stefan@keilir.net), 578-4030