

LIGHTer Seminarium om produktoptimering

Program 12 juni 2019

09:30 Mingel med Kaffe och fralla

09:55 Information om LIGHTer och LIGHTer Produktoptimering

10:00 Presentation av examensarbeten inom produktoptimering

- Linnéa Härder & Ebba Blomberg Cedergren: *Innovation Management and Technical Simulations for early innovative exploration with virtual simulations*
- Joel Nilsson: *Topology Optimization of load floor system*
- Kalle Kalliorinne: *Automated Design Analysis and Lubrication Optimization for a Heavy-Duty Piston*
- Aliko Berndtsson & Andreas Mattiasson: *Optimization of Vehicle Systems - Application to Wheel Suspension*
- Kulkarni Saiprasad & Dharun Velmani: *Multidisciplinary optimization of Geometric variation analysis & modal behaviour for Squeak & Rattle rediction*
- Mikael Lundgren & Olle Vidner: *Concept development through multi-disciplinary design optimization - Realizing simulation-driven design in iterative development of exhaust after-treatment systems*

12:00 Lunch

13:00 Presentationer fortsätter

- Satish Prabhu Nachiketh & Sarapady Ranjan Tunga: *Evaluation of Parametric CAD models from a Manufacturing perspective to aid simulation driven design*
- Emanuele Mariniello: *Topology-optimization-based model definition with manufacturing constraints*
- Kevin Morales: *Bi-metallic design of mount lugs for a Jet engine component using AM technology*

14:00 Kaffe

14:20-14:30 Presentationer fortsätter

- Antoine Bouilloux-Lafont & Ruben Noya Pozo: *Development of acoustic simulations using parametric CAD model in COMSOL*
- Daniel Haraldsson & Marcus Svensson: *Integrating design optimization in the development process using simulation driven design*
- Frida Östrand Myrlund & Olivia Lindvall: *Topology Optimisation and Multi-disciplinary Design Optimisation in the Concept Development Process - Development of a Methodology for Frame Structure Design*

14:30 Summering av dagen och information om kommande seminarium