

HyDrive Workshop

Offshore Mechatronics

Wednesday March 2nd 2016 • Aalborg University • Pontoppidanstraede 105 room 4.127

9.00	Welcome / Torben O. Andersen (AAU)
9.05	Introduction to the HyDrive-project / Torben O. Andersen (AAU)
9.20	Towards topology optimization / Remzija Cerimagic (AAU)
9.40	Experimental validation of topology models / Per Johansen (AAU)
10.00	Coffee break
10.15	Valve design for digital displacement machines (DDM) / Daniel Beck Rømer (AAU)
10.35	Actuator design for DDM / Christian Nørgaard (AAU)
10.55	System wide control in relation to DDM / Niels Henrik Pedersen (AAU)
11.15	Summary: On the road to a design framework for DDM / Torben O. Andersen (AAU)
11.30	Keynote speech: Digital fluid power technology and challenges / Rudolf Scheidl (JKU)
12.00	Lunch
13.00	Keynote speech: Offshore mechatronics / Michael R. Hansen (UiA / SFI)
13.30	Wave energy – current status and challenges / Laurent Marquis (Wave Star)
14.00	Challenges in designing offshore mechatronic systems / Kristian Eis (Serman & Tipsmark)
14.30	Coffee break
14.45	New efficient linear hydraulic drive / Lasse Schmidt (Bosch Rexroth/AAU)
15.15	Developing test facilities for offshore industry / Rico H. Hansen (R&D)
15.45	Closure
16.00	Optional laboratory tour (See our new laboratory and wave simulator)

www.hydrive.et.aau.dk

Free workshop for all interested.

Sign up for the workshop no later than February 29th 2016, by sending an e-mail to bos@et.aau.dk with the subject title "Tilmelding til HyDrive Workshop 2016 + name and place of employment".