DEPARTMENT OF ENERGY TECHNOLOGY
AALBORG UNIVERSITY

PhD Public Defence

Title:	PIUS – HYDROFACTION™ TECHNOLOGY PLATFORM WITH INTEGRATED UPGRADING STEP
Location:	Pontoppidanstræde 111, auditorium
Time:	Wednesday 11 April at 13.00
PhD defendant:	Claus Uhrenholt Jensen
Supervisor:	Professor Lasse Rosendahl and Steen B. Iversen
Moderator:	Associate Professor Rudi P. Nielsen, Department of Chemistry and Bioscience, AAU Esbjerg
Opponents:	Associate Professor Marco Maschietti, Department of Chemistry and Bioscience, AAU Esbjerg (Chairman) Professor Arno de Klerk, Department of Chemical and Materials Engineering, University of Alberta, Canada Senior Research Scientist Brajendra K. Sharma, Illinois Sustainable Technology Center, Prairie Research Institute, University of Illinois, USA

All are welcome. The defence will be in English.

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Abstract:

Steeper Energy's proprietary Hydrofaction™ pathway for production of tomorrows diesel, jet and marine fuel, comprise conversion of biomass residues through hydrothermal liquefaction (HTL) to liquid biocrude. Similar to petroleum crude oil, the oxygenated biocrude is an intermediate that needs further upgrading to meet liquid fuel specifications. On that basis, the thesis focuses on development of an integrated separation, demineralization and upgrading technology platform, so the Hydrofaction™ technology provides the entire path from tree to tank.