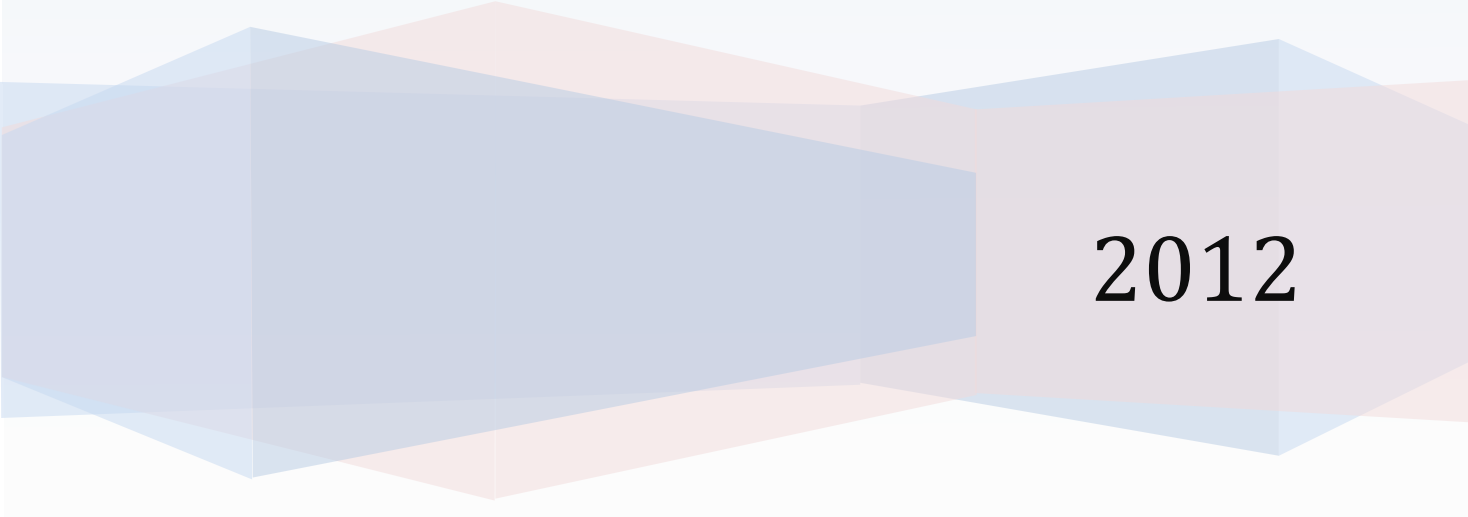


Projects

Center for Industrial Asset management



2012

PHD: Operational infrastructure and work management systems for offshore wind energy assets

**BY Ole-Erik Endrerud – IN
PROGRESS (2011-2015)**

DESCRIPTION:

Present a maintenance and logistics model of a large-scale wind turbine park in order to investigate how different maintenance strategies and logistics support will affect availability and life-cycle costs. This model will be a decision tool when designing and optimizing maintenance strategies, operational infrastructure and work management systems.

CONTACTS:

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SPONSORS:

UiS

PHD: Systemic Management of Modern Sociotechnical Systems: Integrating Human, Organizational and Technical Factors in Complex and Dyna- mic Operating Environment

**BY HAFTAY H. ABRAHA – IN
PROGRESS (2011-2014)**

DESCRIPTION:

The overall objective of the thesis is to provide knowledge, methods and tools for major accident risk assessment and management for modern sociotechnical systems (e.g. offshore and onshore installations) based on system perspective (system thinking) to improve understanding of the influence of human, organizational and technical factors in complex and dynamic operating environment.

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UiS

PHD: Creation of “Just in time” maintenance services for the Norwegian Offshore Industry

**BY Nii Nortey Lokko – IN
PROGRESS (2012-2015)**

DESCRIPTION:

To create a framework for provision maintenance services based on improved quantitative and qualitative analysis techniques, condition monitoring and statistical simulations

CONTACTS:

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SPONSORS:

Apply Sørco

PHD: Wind Turbine Installation

BY Arun Sarkar– IN

PROGRESS (2011-2013)

DESCRIPTION:

Installation methods for offshore wind turbines

CONTACTS:

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stad

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University of Stavanger

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SPONSORS:

Norcowe partners

PHD: Development of method/apparatus for close visual inspection of subsea leaking structures in underwater poor visibility condition

BY Jasper Agbakwuru – IN

PROGRESS (2011-2014)

DESCRIPTION:

Find leaking points in pipelines in muddy waters.

CONTACTS:

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SPONSORS:

Norske Shell AS

PHD: Breaking waves on wind turbine foundations

BY Sung-Jin Choi – IN

PROGRESS (2011-2013)

DESCRIPTION:

Calculate breaking wave forces on wind turbine foundations placed on shoals

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SPONSORS:

Norwegian Science Foundation

PHD: Management of Mexican oil and gas subsea production facility services

BY Moreno-Trejo Jorge – IN

PROGRESS (2009-2012)

DESCRIPTION:

The project focuses on the management of subsea services in the various life cycle phases. The project comprises one PhD study and is fully financed by PEMEX. The main focus is on analyzing the decision making to assure the life cycle integrity of subsea production facilities through a study and analysis of criteria for designing and select subsea installations, identifying procurement and contracting activities, and studying and mapping activities during installation, operations and maintenance.

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SPONSORS:

PEMEX

PHD: Network Performance Impact in Complex Manufac- turing Networks

BY Jakob E. Beer – IN

PROGRESS (2011-2014)

DESCRIPTION:

The target of this dissertation is to identify parameters of performance effects from inter-organizational relationships in complex manufacturing networks and to outline risks emerging from the increasing interconnectedness inherent to such networks. Strategic responses to such risks will be identified, discussed, and evaluated. This thesis will thus create a more complete picture of causes and effects on firm performance in manufacturing networks and provide a framework based on which strategic decisions can be made with respect to important determinants of performance.

CONTACTS:

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SPONSORS:

UiS, EU

PHD: Modeling of biogas fuelled technologies: internal combustion engines and fuel cells

**BY Omid Razbani – IN
PROGRESS (2010-2013)**

DESCRIPTION:

The work focuses on modeling of biogas fuelled technologies, internal combustion engines and fuel cells.

CONTACTS:

Professor Mohsen Assadi

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SPONSORS:

UiS, IRIS

PHD: Low emission gas turbine technology for hydrogen rich syngas in integrated gasification combined cycle (H₂-IGCC)

**BY Mohammad Mansouri Majourmed – IN
PROGRESS (2010-2013)**

DESCRIPTION:

The work focuses on low emission gas turbine technology for hydrogen rich syngas in integrated gasification combined cycle (H₂-IGCC)

CONTACTS:

Professor Mohsen Assadi

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University of Stavanger

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SPONSORS:

UiS, IRIS

PHD: Theoretical and experimental investigation of biogas fuelled CHP technology with emphasis on gas turbine using advanced and intelligent modeling and monitoring tools

**BY Homam Nikpey Somehsaraei – IN
PROGRESS (2010-2013)**

DESCRIPTION:

The work focuses on theoretical and experimental investigation of biogas fuelled CHP technology with emphasis on gas turbine using advanced and intelligent modeling and monitoring tools

CONTACTS:

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SPONSORS:

UiS, IRIS

PHD: Internasjonalisering av nye produkter i SME

BY Murshid M. Ali – IN

PROGRESS (2010-2013)

DESCRIPTION:

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University of Stavanger

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SPONSORS:

NFR industristipendiat

PHD: Predicting Production Rates of Pouring Ready Mixed Concrete by using Tower Cranes in Egypt

**BY Emad el Mahgraby – IN
PROGRESS (2010-2013)**

DESCRIPTION:

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SPONSORS:

AAST, Egypt

PHD: Predictions of the impact of cross listing on company performance, local stock returns, risk and corporate governance case of Egyptian Global Depositary Receipt GDRs

**BY Mohamed elAshry Mahran – IN
PROGRESS (2010-2013)**

DESCRIPTION:

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SPONSORS:

AAST, Egypt