Publications
Center for Industrial Asset Management
1. **Bai, Yu; Liyanage, Jayantha Prasanna.** Framework and systematic functional criteria for Integrated work processes in Complex assets: A Case study on Integrated planning in Offshore oil & gas production industry. *International Journal of Strategic Engineering Asset Management (IJSEAM)* 2012; Volume 1.(1) s. 49-68, UIS

2. **El-Thalji, Idriss; Liyanage, Jayantha Prasanna.** On the Operations and Maintenance practices of Wind power assets: A status review and observations. *Journal of Quality in Maintenance Engineering* 2012; Volume 18.(3) s. 232-266, UIS

3. **Vignes, Birgit; Liyanage, Jayantha Prasanna.** The Human performance model for Complex and Safety critical operations: A case study on Drilling and Wireline operations from North Sea. *International Journal of Strategic Engineering Asset Management (IJSEAM)* 2012; Volume 1.(2) s. 172-192, UIS


5. **Ratnayake, R.M. Chandima; Markeset, Tore.** Asset Integrity Management Towards Sustainable Performance. *Maintworld* 2012; Volume 4.(1) p. 18-22, UIS


11. **Abrahamsen, Eirik Bjorheim; Aven, Terje.** Why risk acceptance criteria need to be defined by the authorities and not the industry?. *Reliability Engineering & System Safety* 2012; Volume 105. p. 47-50, UIS


15. **Aven, Terje.** On when to base event trees and fault trees on probability models and frequentist probabilities in quantitative risk assessments. *International Journal of Performability Engineering* 2012; Volume 8.(3) p. 311-320, UIS


17. **Aven, Terje; Bergman, Bo.** A conceptualistic pragmatism in a risk assessment context. *International Journal of Performability Engineering* 2012; Volume 8.(3) p. 223-232, UIS

19. Flage, Roger; Aven, Terje; Baraldi, Piero; Zio, Enrico. An imprecision importance measure for uncertainty representations interpreted as lower and upper probabilities, with special emphasis on possibility theory. *Journal of Risk and Reliability* 2012; Volume 22.(6) p. 656-665, UIS


23. Agbakwuru, Jasper; Gudmestad, Ove Tobias; Bilstad, Torleiv. Experimental study of oil pipeline leak processes. *Journal of Environmental Protection* 2012; Volume 3.(7) p. 597-604 UIS


25. Mansouri, Mohammad; De, Sudipta; Assadi, Mohsen; Breuhaus, Peter. An EU initiative for future generation of IGCC power plants using hydrogen-rich syngas: simulation results for the base line configuration. *Applied Energy* 2012; Volume 99. p. 280-290, IRIS UIS


31. Zhao, Gansen; Rong, Chunming; Jaatun, Martin Gilje; Sandnes, Frode Eika. Reference deployment models for eliminating user concerns on cloud security. *Journal of Supercomputing* 2012; Volume 61.(2) p. 337-352 HIOA UIS


38. **Liyanage, J.P.**, Human – An asset or a liability : The real deal with modern humans in intelligent systems and complex operations, WCEAM 2012, accepted


44. **Lokko, N.N.B.C., Raza, J., Liyanage, J.P.,** The use of expert systems in offshore oil & gas assets: A status review w.r.t. emerging needs for innovative solutions, WCEAM 2012, accepted.

45. **Lokko, N.N.B.C., Raza, J., Liyanage, J.P.,** Value potential of expert systems for offshore oil & gas assets from a maintenance perspective: A case from Norway w.r.t. Integrated operations, WCEAM 2012, accepted.


53. **Amundrud, Øystein; Aven, Terje.** Improved Methods for Visualizing Risk. Society of risk analysis SRA Annual Conference 2012; 2012-12-09 - 2012-12-12

54. **Aven, Terje.** Research at ECP on reliability and risk - some reflections. Ecole Central Paris Industry seminar; 2012-05-03 - 2012-05-03 UIS


Bulakh, Maria Aleksanrovna; Gudmestad, Ove Tobias; Zolotukhin, Anatoly. Developing schemes for Kara Sea oil and gas fields in conjunction with Yamal peninsula projects. From subsea processing on the seabed to market through LNG. Arctic Technology Conference; 2012-12-03 - 2012-12-05 UIS

Choi, Sung-Jin; Lee, K-H; Gudmestad, Ove Tobias. 3D Numerical Simulation of Wave forces on an offshore wind turbine foundation. The 2012 World Congress on Advances in Civil, Environmental, and Materials Research, COEX; 2012-08-26 - 2012-08-30 UIS


Gudmestad, Ove Tobias. How to Reduce the Probability of Oil Spills in Arctic Operations and Mitigating Measures to Reduce Consequences of Potential Spills. Oil Spill & Ice Management in Arctic Operations; 2012-09-12 - 2012-09-14 UIS
70. **Gudmestad, Ove Tobias.** *ISO 19906 Arctic Structures* Presentation at “6th Harsh weather summit. 6TH HARSH WEATHER SUMMIT PROGRAM; 2012-05-22 - 2012-05-24 UIS


72. **Gudmestad, Ove Tobias.** Understanding the key technological challenges and how technology may help in unlocking Arctic Resources. 3rd annual Arctic Oil & Gas North America; 2012-05-23 - 2012-05-24 UIS

73. **Gudmestad, Ove Tobias; Karunakaran, Daniel.** Challenges Faced by the Marine Contractors Working in Western and Southern Barents Sea. Arctic Technology Conference; 2012-12-03 - 2012-12-05 UIS

74. **Gudmestad, Ove Tobias; Karunakaran, Daniel.** Challenges Faced by the Marine Contractors Working in Western and Southern Barents Sea. Arctic Technology Conference; 2012-12-05 UIS


79. **Njå, Ove; Gudmestad, Ove Tobias.** Disasters in Arctic Areas. 4th International disaster and risk conference IDRC; 2012-08-26 - 2012-12-30 UIS


82. **Assadi, Mohsen.** H2-IGCC plants for large scale biomass & coal co-gasification. BioM2E; 2012-09-25 - 2012-09-27 UIS

83. **Assadi, Mohsen.** Low emission GT Techn. for H2 rich syngas in Integrated Gasification Combined Cycle. International seminar on gasification; 2012-10-18 - 2012-10-19 UIS

84. **Breuhaus, Peter; Nikpey Somehssareai, Homam; Assadi, Mohsen.** Experience of using an optimized artificial neural network applied to a micro gas turbine. 5th International Congress on Technical Diagnostics; 2012-09-03 - 2012-09-05 IRIS UIS

85. **Mansouri, Mohammad; Breuhaus, Peter; Smrekar, Jure; Assadi, Mohsen; Mazzoni, Carmine; Mazzoni, Stefano; Leila, Chennaoui; Cerri, Giovanni.** Impact of Fuel Flexibility needs on a Selected GT Performans in IGCC Application. ASME Turbo Expo 2012; 2012-06-11 - 2012-06-15 IRIS UIS

86. **Nikpey Somehssareai, Homam; Assadi, Mohsen; Breuhaus, Peter.** Development of an Artificial Neural Network Model for Combined Heat and Power Micro Gas Turbines. International Symposium on INnovations in Intelligent Systems and Applications (INISTA); 2012-07-02 - 2012-07-04 IRIS UIS


