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Published in: Book of Abstracts : ESREL 2010, Rhodes, Greece

Publication date: 2010

**Document Version** Publisher's PDF, also known as Version of record

Link to publication from Aalborg University

Citation for published version (APA): Nielsen, J. J., & Sørensen, J. D. (2010). Planning of O&M for Offfshore Wind Turbines using Bayesian Graphical Models. In Book of Abstracts : ESREL 2010, Rhodes, Greece: 5-9 september 2010 : European Safety & Reliability Conference (pp. 54). European Safety and Reliability Association / Demokritos : national center for scientific research.

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## Planning of O&M for offshore wind turbines using Bayesian graphical models

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The costs to operation and maintenance (O&M) for offshore wind turbines are large, and riskbased planning of O&M has the potential of reducing these costs. This paper presents how Bayesian graphical models can be used to establish a probabilistic damage model and include data from imperfect inspections and monitoring. The method offers efficient updating of the failure probability, which is necessary for risk-based decision making. An application example is presented to demonstrate the capabilities of the method.