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A Bayesian approach to risk modeling of autonomous subsea intervention operations

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Highlights

- Proposes a Bayesian Belief Network (BBN) to model the risk in autonomous subsea IMR operations
- Thirty-eight nodes influencing autonomous subsea intervention operations are identified
- Workshop with industry experts is used to quantify the proposed BBN
- The proposed BBN is verified for five unique subsea intervention scenarios
- Proposed BBN is capable of incorporating and calculating risk for other combinations of scenarios

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