



University of  
Stavanger

Faculty of Science and Technology

## MASTER'S THESIS

Study program/ Specialization:

**Offshore Technology/Risk Management**

Spring semester, 2014

Open Access

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Faculty supervisor: **Prof. Terje Aven.**

External supervisor(s): **None**

Thesis title:

**EXTENSION AND MODIFICATION OF ANTICIPATORY FAILURE  
DETERMINATION APPROACH BASED ON I-TRIZ**

Credits (ECTS): 30

Key words:

I-TRIZ  
ARIZ  
SIVAI-TRIZ  
Success scenario  
Principle of resources  
End state  
Middle state  
Scenario structuring  
Ideality principle  
System interaction

Pages: 110

+ enclosure: 3

Stavanger, June, 2014.