





# ADVANCED SCENARIO SPACE EXPLORATION VIA SIMULATION

## A Concept for Guaranteeing Complete Criticality Identification

### Summary

- Approach to reliably identify all critical instances in large scenario spaces by simulation
- Addresses the problem of providing guarantees needed in safety argumentations

### Status and Plans

- This work has been conducted in SET Level
- The concept is currently being elaborated
- A prototype implementation is planned
- Experiments are going to be conducted in VVM

**SET Level**



### Reference Paper

Hungar, Hardi

*A Concept of Scenario Space Exploration  
with Criticality Coverage Guarantees*

Proc. ISoLA 2020, Springer LNCS 12478, pp.  
293-306

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<https://link.springer.com/book/10.1007/978-3-030-61467-6>