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Modeling and Simulation of Crew to Crew Response Variability Due to Problem-Solving Styles

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**Highlights:**

- A simulation HRA model ADS-IDAC 3.0 is described.
- This model incorporates essential cognitive elements (e.g. attention, memory).
- Three problem solving styles (*Vagabond*, *Hamlet*, and *Garden-path*) are modeled.
- Modeling of the three styles captures important crew to crew response variability.
- A detailed simulation case demonstrates the enhanced capabilities of ADS-IDAC 3.0.

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