



NASA Technical Reports Server (NTRS), Todd J. Callantine

Cats-Based Agents That Err

By Todd J. Callantine

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 38 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. This report describes preliminary research on intelligent agents that make errors. Such agents are crucial to the development of novel agent-based techniques for assessing system safety. The agents extend an agent architecture derived from the Crew Activity Tracking System that has been used as the basis for air traffic controller agents. The report first reviews several error taxonomies. Next, it presents an overview of the air traffic controller agents, then details several mechanisms for causing the agents to err in realistic ways. The report presents a performance assessment of the errorgenerating agents, and identifies directions for further research. The research was supported by the System-Wide Accident Prevention element of the FAANASA Aviation Safety Program. This item ships from La Vergne, TN. Paperback.



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