Beth Veinott

Associate Professor

Cognitive & Learning Sciences, College Science and Arts

My background

Stanford BA, University of Michigan Ph.D., Indiana Post-doc

NASA Ames; Principal Scientist @ Science & Engineering Co.

Areas of research/expertise

Decision Making & Applied Cognition

- ✓ Behavioral models, field experiments
- ✓ Applications for training, technologies, and improving decisions

Collaborative technologies

- ✓ Team work, trust, planning

Problem Solving and Learning in STEM

- ✓ Video games for learning

Light-weight Premortem
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➢ **Plan Evaluation Challenges:** Optimism, overconfidence

➢ **5 steps:** Perspective shift + Uncertainty reduction (fiasco)

➢ **Exp:** No change total time; Better, more resilient plans

Well-defined

Ill-defined

MTU –ROTC Teams

Premortem: Fewer Errors

Errors

Well-Defined   Ill-Defined
■ Baseline   ■ PreMortem