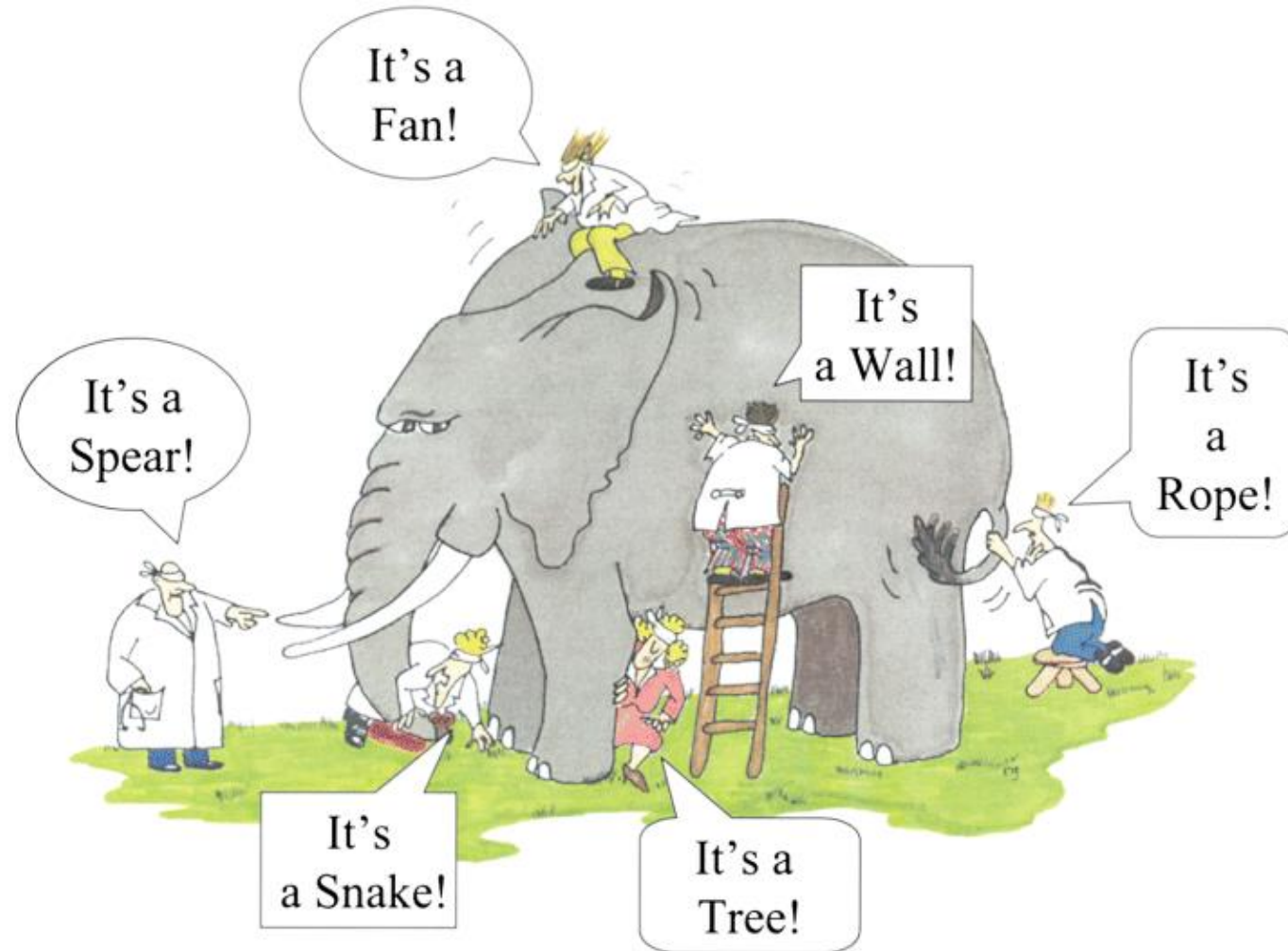


Future of Work at the Human –Technology Frontier (FW-HTF) Convergence Accelerator

Presented by Fay Cook, AD, SBE
EHR Advisory Committee
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CONVERGENCE AND MULTI-DISCIPLINARY RESEARCH



HOW WILL THE RESEARCH WITHIN THE FW-HTF CONVERGENCE ACCELERATOR BE DEFINED?

- NSF will start with a few “tracks” that define focus areas within the FW-HTF accelerator
- Each track will have specific goals
- NSF will host workshops to form teams and to solicit additional tracks recommended by the community

EXAMPLES OF POSSIBLE ACCELERATOR “TRACKS” WITHIN THE FUTURE OF WORK AT THE HUMAN-TECHNOLOGY FRONTIER CA



- Smart manufacturing environment: Adaptive collaboration between humans and machines using artificial intelligence
- The Instrumented classroom: Intelligent cognitive assistants in a smart classroom to enhance student learning
- Cybersecurity at scale: Identifying and mitigating vulnerabilities using artificial intelligence

Future of Work in Smart Classrooms(for discussion)

Goal: To enable teachers to accelerate STEM learning by partnering with technology

- Teachers use technology to create learning experiences that are more interactive, engaging, and immersive.
- Smart Classrooms take place within an interactive network of students, teachers, and technological agents.
- Physical and online classrooms will be "wired" for seamless communication.
- Student learning partners will include instructors, classmates, and technological agents.