

CONFERENCE ON NUCLEAR TRAINING AND Education: A Biennial International Forum

2023

Application of the Extended Mind Thesis to Nuclear Training

Dave Helling

Senior Training Advisor



"Where does the mind stop and the rest of the world begin?"

The Extended Mind

David Chalmers and Andy Clark, 1998

Areas of Research

Embodied Cognition

> Situated Cognition

Distributed Cognition



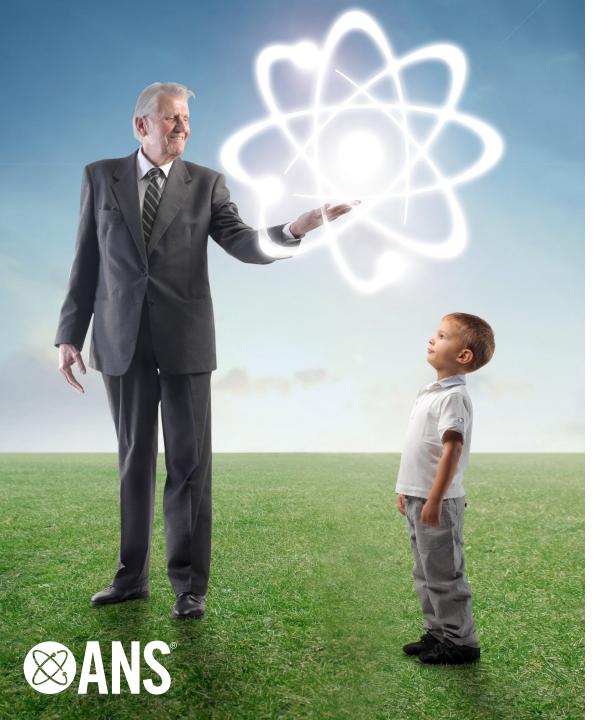




Annie Murphy Paul

- The Extended Mind: The Power of Thinking Outside the Brain
- 2021 Book
- Consolidates the research
- Makes the Extended Mind research accessible





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Westinghouse

Reflections on Fifty Years of Teaching and Learning in the Nuclear Industry

Dave Helling

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Be a Student of Teaching and Learning

- Learning how to teach is a developed skill
- Requires studying the art and science of teaching
- As important as technical competence
- Use research-based interventions





Care

- Single most
 important factor
- Know your students
- Be a coach not a referee
- Always ask how you could teach a topic more effectively





Understand Your Impact As An Instructor

- Instructor expertise is most important factor in student learning
- Are your best people your instructors?





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