



CONTE

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

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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?

Dave Helling

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