



Introductions & Capabilities

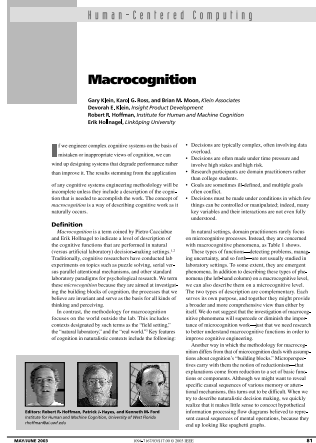
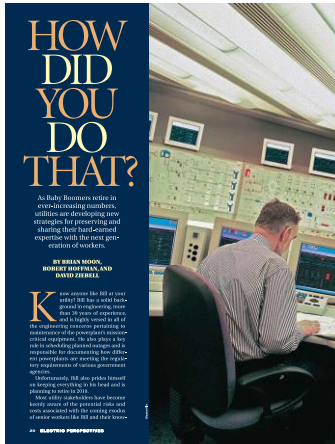
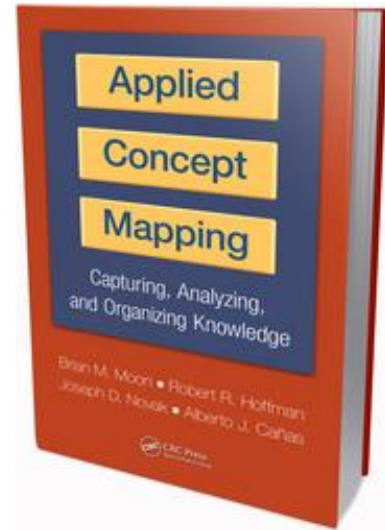
Perigean Technologies LLC

- WOSB, Founded 2007
- Fredericksburg, Virginia
- Mission: **improve through_knowledge.sm
 - Knowledge :
Capture, Retention & Transfer
Analysis & Assessment
Elicitation, Modeling & Engineering
Management & Organization**
- Personnel = 6
 - Knowledge engineers, human-computer interaction designers, computer programmers



Publications

- Publications
 - Applied Concept Mapping: Capturing, Analyzing and Organizing Knowledge (CRC Press, 2011)
 - Numerous articles
 - Knowledge capture
 - Cognitive sciences



improve through_knowledge.™

Perigean Technologies LLC :

Sample Client List

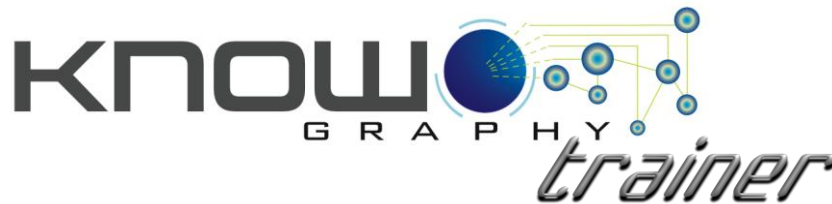
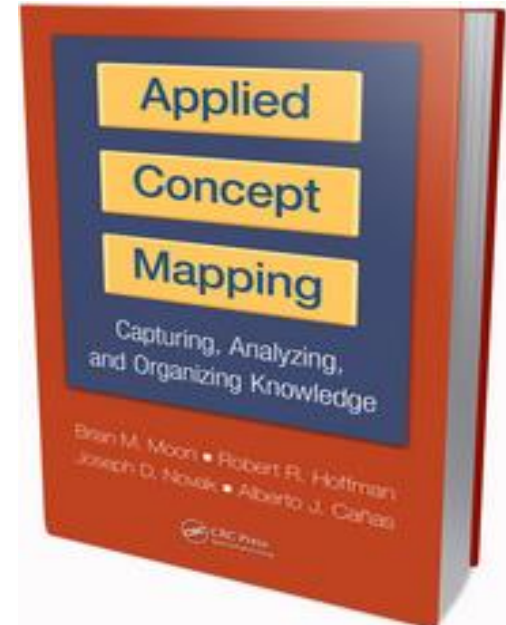
- Prime
 - Procter and Gamble
 - Westinghouse Electric Company
 - New York Power Authority
 - DARPA
 - Army Research Laboratory
- Sub
 - Veteran's Health Administration
 - Central Intelligence Agency
 - Marine Corps
 - Electric Power Research Institute

Perigean Technologies LLC :

Sample Domains

- Nonkinetic military operations
- Intelligence Analysis
- Healthcare
- Nuclear engineering
- Education and training
- Consumer goods

Perigean Technologies LLC : services & Training

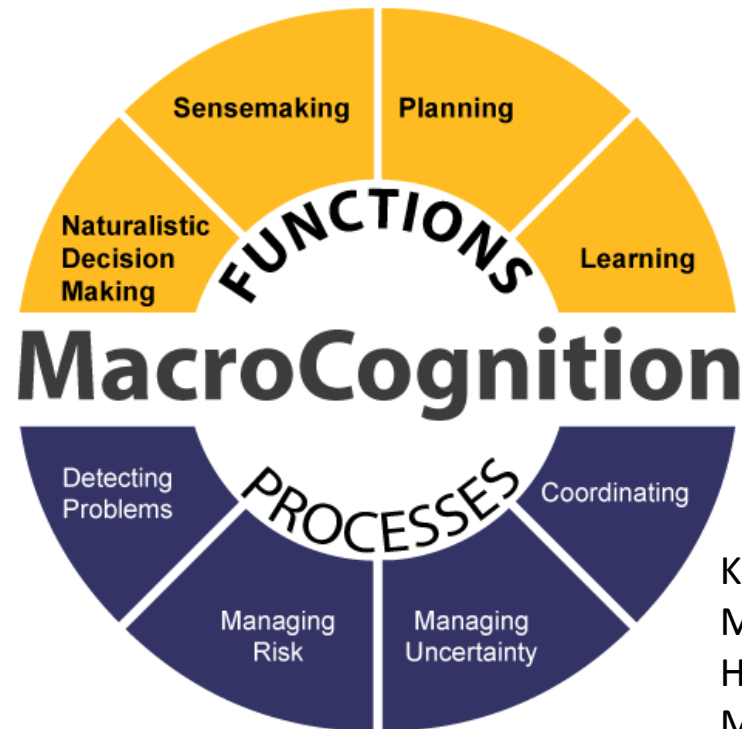


improve through_knowledge.sm



- Approach to Expertise Articulation
- Blends :
 - Applied Concept Mapping
 - Diagramming expert knowledge and reasoning
 - Naturalistic Inquiry
 - Particularly Critical Decision Method
 - Incident-based recall of expertise in action
- Non-proprietary methods
 - Efficient and effective execution

- Focus on MacroCognition
 - Captures decision making, sensemaking, and team work from the perspective of the actors

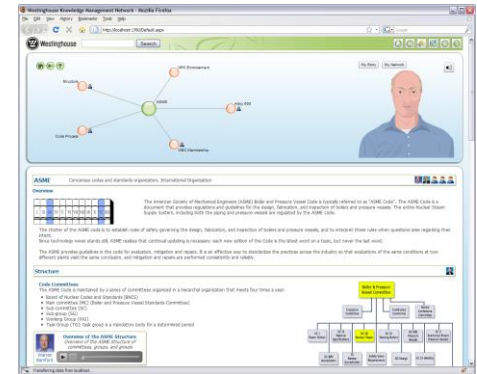


Klein, G., Ross, K. G., Moon, B. M., Klein, D. E., Hoffman, R. R., & Hollnagel, E. (2003, May/June). MacroCognition. *IEEE Intelligent Systems*, 18, 81-85.

KNOW G R A P H Y

Sample Past Performance: Prime Role

- Westinghouse Electric Company
- Context : robust knowledge transfer program
 - 1 ½ year period of elicitation
 - 8 senior engineering experts
 - 20 to 40+ hours expert participation
 - Content populates custom KM portal
 - Cmap and custom navigation / text / 3-D modeling / Expert network / video and audio / avatars
 - Transition to corporate education program

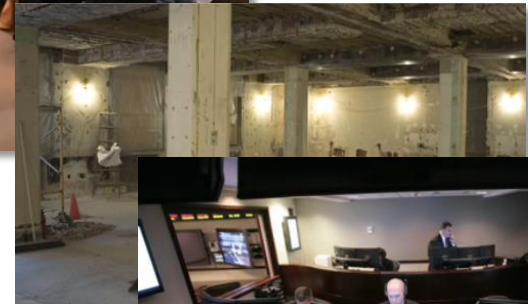
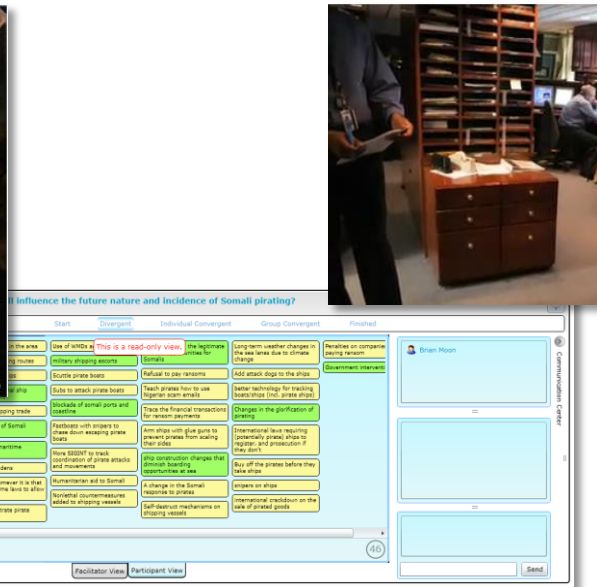


KNOW G R A P H Y



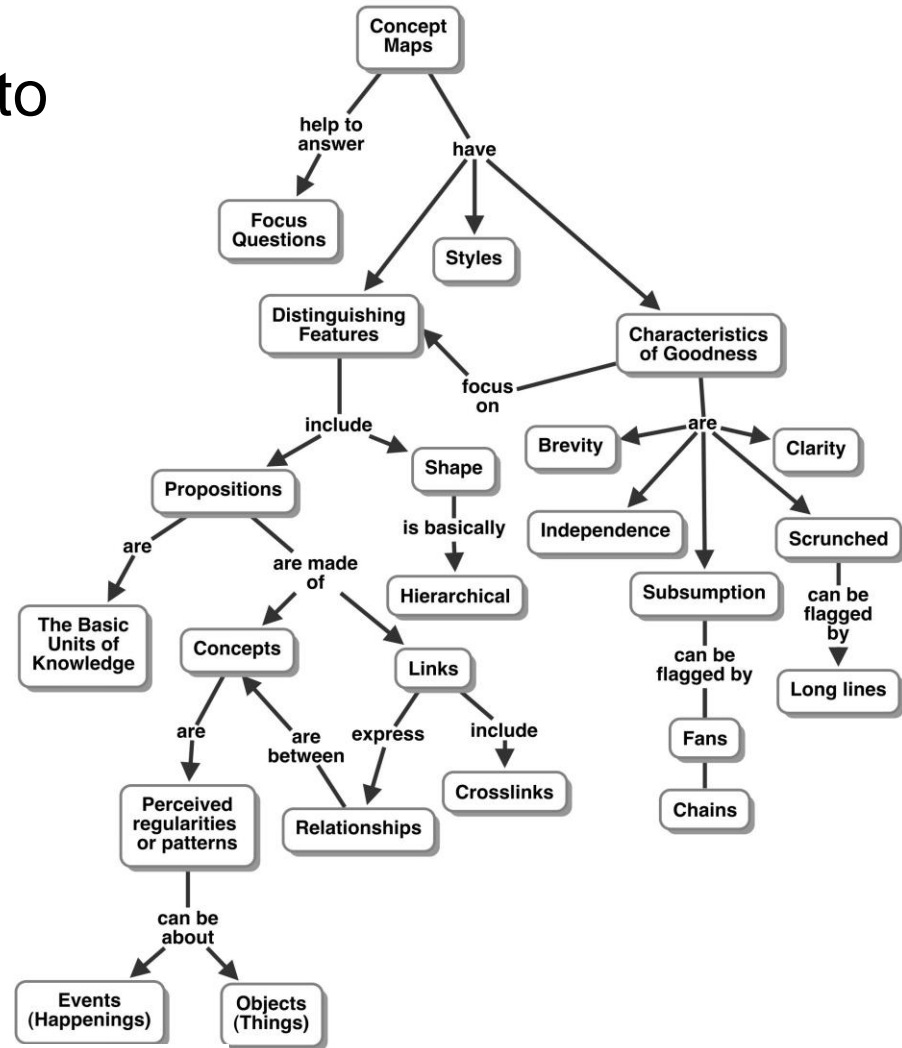
Sample Past Performance: Enabling Roles

- Illuminate decision and sensemaking strategies for software, learning, workspace and organizational design
 - E.g., Insurgent Method Training, Structured Brainstorming Tool, fusion center, Clinical Decision Support Guidelines



Applied Concept Mapping

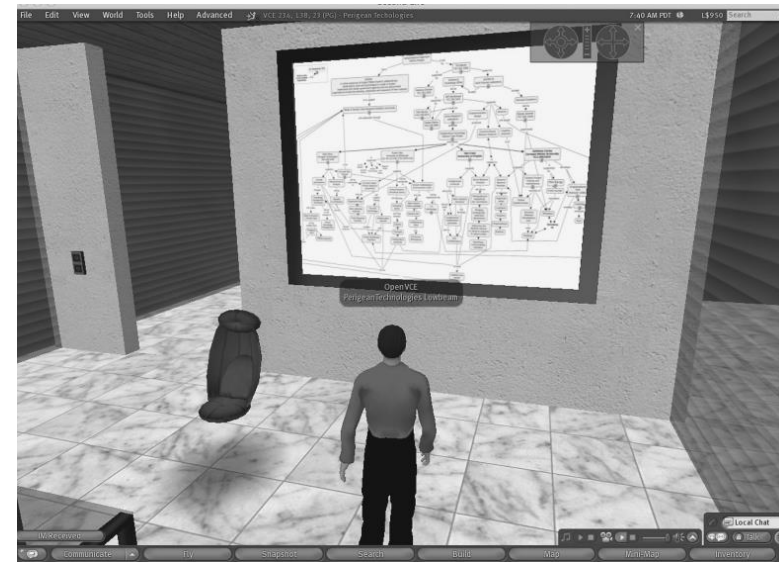
- Origins in science education to support meaningful learning
- Procedures for knowledge elicitation and collaboration developed over 20 years of practice = Applied Concept Mapping



Applied Concept Mapping

Sample Past Performance: Prime Role

- DARPA – Rapid and Accurate Idea Transfer (Phase I SBIR)
- Army Research Laboratory - Cognitively Engineering a Virtual Collaboration Environment for Crisis Response





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