Whither Design Theory and Methods?

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What Has Happened to Design Theories Over the Last 50 Years?

Development of multiple domain independent theories

What Has Happened to Design Methods Over the Last 50 Years?

• Simulation
• Optimization
• Generation
What is Likely to Happen in the Future and Its Effects on Design Theories and Design Methods

• Knowledge about designers
• Knowledge about technology
• Knowledge about users
1. Cognitive Behaviour of Designers

[Kan and Gero]

[Gero and Yu]
Neurocognitive Behaviour of Designers

[Vieira, Gero et al unpublished]
2. Building Users

[Gero, Shields and Yu]
3. Building Users’ Social Behaviour

4. User-Building Interactions

[Tsai and Gero]
5. User Emotions

6. Design Tools That Learn and Adapt

[Peng and Gero]
7. Buildings That Learn and Adapt

8. Buildings as Part of a Social Ecology

[after Thomas and Gero]
9. Brain-Computer Interface, User-Building Interface and Brain-Building Interface
# Implications for Design Theory and Methods

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The research described in this talk is based upon work supported by

DARPA – US Defense Advanced Research Projects Agency  
NASA – US National Aeronautics and Space Administration  
NSF – US National Science Foundation Grant Nos. EEC-1463873 and CMMI-1400466

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