



Dr Kathleen Carrie Armel

Affiliate, Psych/General Psychiatry and Psychology (Adult)

Bio

BIO

Dr. Carrie Armel is a research associate at Stanford's Precourt Energy Efficiency Center (PEEC) where she investigates the diverse ways in which an understanding of human behavior can lead to improvements in energy efficiency. For example, the application of behavioral principles can produce significant energy reductions through interventions implemented at the policy, technology, built environment, media/marketing, and organizational/community levels. Dr. Armel co-chairs the Behavior, Energy, and Climate Change Conference; oversees Precourt Institute's Behavior and Energy Bibliographic Database and Website; and teaches courses on behavior and energy at Stanford.

In addition to these initiatives, Dr. Armel develops specific energy efficiency interventions that apply behavioral and design principles, and develops measures to evaluate the efficacy of such interventions. Her most recent project involves a collaboration between academic and non-academic organizations to design and evaluate a technology that takes advantage of smart meters to provide feedback to residents on home electricity use.

Dr. Armel completed a Ph.D. in Cognitive Neuroscience from the University of California at San Diego, and postdoctoral work in Neuro-Economics at Stanford. In these programs she employed behavioral, psychophysiological, and neuroscientific methods to investigate how affect and motivation influence behavior. She most recently completed postdoctoral work at Stanford's School of Medicine, translating intervention techniques used in health promotion work into the domain of energy efficiency.