

Katie Whitefoot

Associate Professor at Carnegie Mellon University

Pittsburgh, PA, US

Katie Whitefoot's research advances the theoretical foundations and computational modeling of engineering design and technology change.

Biography

Whitefoot's research advances the theoretical foundations and computational modeling of engineering design and technology change in the context of market and regulatory systems to inform product development, manufacturing, and policymaking. Her research bridges methods in engineering design and economics to examine a variety of topics, including product variety and product-line design, transportation energy, environmental policies, consumer choice, and automation and parts consolidation in manufacturing.

Industry Expertise

Energy, Consumer Goods, Manufacturing

Areas of Expertise

Product Design, Technical Innovation, Environmental Engineering, Additive Manufacturing, Consumer Behavior, Optimization, Advanced Vehicle Systems, Generative Manufacturing

Education

University of Michigan

Ph.D. Design Science (mechanical engineering & economics)

University of Michigan

M.S. Mechanical Engineering

University of Michigan:

B.S. Mechanical Engineering

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