



Climate and Energy Decision Making
Sponsored Seminar

Jessika Trancik

Massachusetts Institute of
Technology

Presenting on:

Evaluating new energy technologies against environmental performance targets

April 25th, 2011

12 noon

(Lunch served at 11:50 am)

129 Baker Conference Room
Department of Engineering and Public Policy

Seminar Abstract: This presentation will cover recent results from my research on accelerating the discovery and adoption of clean energy technologies. I will present an analysis of the dynamics of innovation, and a model relating technology design to the rate of improvement. I will also discuss ways to derive performance targets—in a format that is useful to engineers—from climate change mitigation scenarios.

Speaker Bio: Jessika Trancik is an Assistant Professor of Engineering Systems at the Massachusetts Institute of Technology. She is also an Omidyar Fellow at the Santa Fe Institute. She received her B.S. in materials science and engineering from Cornell University and her Ph.D. in materials science from the University of Oxford, where she studied as a Rhodes Scholar. She has also worked for the United Nations, and as an advisor to the private sector on investment in low-carbon energy technologies. Her research group works on developing new frameworks and quantitative methods to compare and optimize energy technologies by integrating technological details and climate change mitigation targets.

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