

SEMINAR

from the Resnick Sustainability Institute at Caltech



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ARPA-E: Opportunities for Students and Faculty and an Overview of its Portfolio

The Advanced Research Projects Agency-Energy (ARPA-E) advances high-potential, high-impact energy technologies that are too early for private-sector investment. ARPA-E projects have the potential to radically improve U.S. economic security, national security, and environmental well-being. ARPA-E empowers America's energy researchers with funding, technical assistance, and market readiness. The talk is an introduction to the process the agency uses to develop funding opportunities. The presentation will discuss how to become more involved with ARPA-E through current funding announcements as well as opportunities for employment as a Program Director, T2M advisor or summer intern, or Fellow. The process of developing a funding solicitation based on agricultural greenhouse gas mitigation (ROOTS) will also be described.



David Brown, PhD

ARPA-E Fellow

Dr. David Brown currently serves as an ARPA-E Fellow, with interests in energy agriculture, thermal materials, and advanced manufacturing. While at ARPA-E, his principal work has been in developing a program to mitigate greenhouse gas emissions through advanced agricultural technology.

Dr. Brown received his Ph.D. in Applied Physics at Caltech under the guidance of Dr. G. Jeffrey Snyder. He was named a Resnick Sustainability Institute Fellow while at Caltech.



Isik C. Kizilyalli, PhD

ARPA-E Program Director

Dr. Isik C. Kizilyalli's focus at ARPA-E includes high efficiency power conversion, reliable power electronics for extreme environments, solar PV, instrumentation for intrinsically safe nuclear energy, and enhanced geothermal systems.

Prior to joining ARPA-E, Kizilyalli served as founder, CEO and CTO of Avogy Inc., a venture backed start-up focused on GaN power electronics, energy efficiency, and power systems. Previously, he was with Bell Laboratories, followed by Nitronex Corporation, and solar PV startup Alta Devices where his team holds the world record for single junction solar cell conversion efficiency.

1:00 to 2:00 pm | Thursday, March 10, 2016
Guggenheim 101, Lees-Kubota Lecture Hall
Caltech Campus | resnick.caltech.edu

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