Presents:

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The Future of Nuclear Power in a Carbon Constrained World

Abstract: This talk will present the preliminary findings from an MIT interdisciplinary study on the prospects for innovative nuclear technologies, policy and business models, and regulatory governance mechanisms to accelerate the transition to a lower-carbon global energy system in the United States and around the world. The study will consider time periods from the present to beyond 2050 and consider:

1. What are the advanced nuclear technologies that may be considered in the future and the key criteria that should be used to evaluate these technologies (e.g., economics, safety, technical readiness) in terms of their ability to meet the goal of electricity production and related energy products?
2. What are likely costs, lead-times, and technical, financial and regulatory requirements for developing and commercializing these advanced nuclear technologies, including potential enabling technologies? Are there new or innovative policy or business models that can accelerate the deployment of these systems to support the lower-carbon goals?

Biography: Michael L. Corradini is Emeritus Wisconsin Distinguished Professor of Nuclear Engineering and Engineering Physics at the University of Wisconsin-Madison. He is a Co-Director of the MIT Study. He served from 1995 to 2001 as Associate Dean for the College of Engineering and as Chair of Engineering Physics from 2001-2011

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