

THE FUTURE OF NUCLEAR POWER IN A CARBON CONSTRAINED WORLD

January 12
10:15am | Borgwardt Hall

UW Professor Michael Corradini, a distinguished nuclear engineer and co-author of a major policy study on the future of nuclear power, will share his vision of the future of nuclear power as a major contributor to controlling global warming. The study concludes, “The main value of nuclear power going forward is its potential contribution to the decarbonization electrical power production” (that is, the near elimination of greenhouse gas emissions). Nuclear’s unique contribution is to provide large amounts of non-carbon “dispatchable” electricity to fill the gaps in availability of solar and wind renewables on a daily and seasonal basis. The study proves that without the balancing nuclear contribution, the way to deep decarbonization becomes prohibitively expensive. Corradini is aware that new nuclear capacity in the U.S. is currently too expensive, but his study explores a comprehensive effort to advance the technology and effectively mobilize implementation from business and government.



Michael L. Corradini is an expert on nuclear engineering and energy policy issues. He is a co-author of the recent study, “The Future of Nuclear Energy in a Carbon Constrained World” with colleagues from the Massachusetts Institute of Technology. This study definitively explores the potential contribution of nuclear power to the fight against climate change. Corradini is Emeritus Professor of Nuclear Engineering and Engineering Physics at the University of Wisconsin, and was Department Chair from 2001-2011 and a founder of the Wisconsin Energy Institute. His scientific interests emphasize reactor operation, reactor safety, reprocessing, and risk assessment. He has served on many national policy bodies including the Department of Energy Nuclear Energy Advisory Committee.



BETHEL
LUTHERAN CHURCH

312 Wisconsin Ave, Madison WI
608.257.3577 | bethel-madison.org

Caring for Creation (C4C)

www.bethel-madison.org/caring-creation

Caring for Social Justice (C4SJ)

www.bethel-madison.org/caring-social-justice

