

Where in the World Can We Find Clean, Safe, Long-lasting, and Economical Energy Sources for the 21st Century & Beyond?

GERALD L. KULCINSKI

*Associate Dean for Research, Grainger Professor of Nuclear Engineering
Director, Fusion Technology Institute - University of Wisconsin-Madison*

Date: **TUESDAY, NOVEMBER 6, 2007**

Time: **4:00 – 5:15 p.m.**

Place: **Faculty Center, California Room**
*(Refreshments will be served at 3:30 p.m.)
(Reception at 5:15 p.m., following the seminar)*

Abstract:

In this lecture, the following key and timely topics will be addressed:

- A) What is the status of world energy consumption now?
- B) What is the magnitude of worldwide energy resources that will be required for the next 200 years?
- C) How long will fossil fuels last as a major energy source?
- D) What other fuels can supply the world's needs for 100-200 years?
- E) What about nuclear fission?
- F) What about nuclear fusion?
- G) Possible future actions.

Biosketch:



Professor Kulcinski is currently the Associate Dean for Research for the College of Engineering at the University of Wisconsin-Madison. He is also the Grainger Professor of Nuclear Engineering and the Director of the Fusion Technology Institute. He was elected to the National Academy of Engineering in 1993 and was awarded the NASA Public Service Medal in 1993. In 2005, he was appointed to the NASA Advisory Council. He is a Fellow of the American Nuclear Society. Prof. Kulcinski has also won many other prestigious awards and honors.

Prof. Kulcinski conducted pioneering research on radiation effects on materials, and fusion and fission reactor science and technology. His current research interests lie with the assessment of technological and environmental aspects of the production of electricity from renewable, fossil, and nuclear energy sources. He has published over 240 peer reviewed scientific articles, over 300 additional reports and articles in conference proceedings, and is a co-author or contributor to four books.

For more seminar details, please contact Ms. Allyson Kwan at allyson@fusion.ucla.edu (310-825-2389)

* Sponsored by UCLA's Center for Energy (CESTAR), the Mechanical and Aerospace Engineering Dept., the Henry Samueli School of Engineering and Applied Science, and the Plasma Science and Technology Institute (PSTI)