



DEPARTMENT OF PHYSICS AND PHYSICAL
OCEANOGRAPHY COLLOQUIUM

“Recycling Nuclear Reactors”

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This will be a three-part presentation providing an overview of GE Hitachi Nuclear Energy's (GEH) current commercial efforts, Gem's sodium fast reactor, and the implications of the Global Nuclear Energy Partnership. Commercially, GEH is involved with nuclear power plant construction, servicing the existing fleet and producing nuclear fuel. GEH has a history with sodium fast reactors and our most current design is called PRISM. PRISM was developed from the U.S. sodium cooled fast reactor investigations from 1984 through 1994. The PRISM features of fuel type, basis design, safety and economics will be discussed. The presentation will also discuss the Global Nuclear Energy Partnership goals in closing the fuel cycle and reducing proliferation resistance and how PRISM, coupled with electro-refining, can provide an integrated technical solution for this new policy.

Friday, October 10, 2008

2:00 PM

DeLoach Hall, Room 212

Refreshments will be served at 1:45 PM

