Annual Meem Lecture
William H. Rasin
Co-chair of the Evaluation Methodology Group for
the DOE's Generation IV Nuclear Systems Project

Thursday, April 25, 2002 - Best Western, Mount Vernon Inn, Charlottesville, VA
Directions

A Whole New Generation of Nuclear Energy Systems- Really?

As is the tradition the Meem Lecture features a UVA Nuclear Engineering graduate, and is supported by a fund established when Larry Meem retired as Chair of the Nuclear Engineering Department. Again we expect Larry and Boo will be with us.

These are indeed encouraging times for those of us who have devoted our lives and careers to a difficult and demanding profession. Today's nuclear energy plants around the world are, and are finally performing at the levels of efficiency and safety that we had always envisioned. Environmental, social and political events are forcing policy makers throughout the world to seriously look at the potential of nuclear energy as part of the solution to the daunting problems of the near future.

In response, the U.S. Government through the Department of Energy has responded with some new and exciting programs. The Nuclear Power 2010 initiative is designed to help industry quickly move to put nuclear energy back onto the board room table as a real option. The Generation IV Nuclear Energy Systems program aims at an international effort to develop sustainable nuclear energy systems deployable around the world by 2030.

Mr. Rasin will discuss the progress in developing the Generation IV Research and Development Roadmap and the path to completion and implementation. He will give his views on the challenges and determinants for the deployment of the concepts to be included in the Roadmap.

Bill Rasin has had a very distinguished career in the nuclear power field and is extremely well qualified to speak to us on the Generation IV Reactor Plants. He presently serves as Co-chairman of the Evaluation Methodology Group for DOE's Generation IV Nuclear Energy Project. In his present role as a management consultant he has also served as Deputy Project Director for the Hanford Spent Fuel Project.

Bill was in the nuclear Navy from 1963 to 1971, as a Reactor Operator and Crew Training Coordinator for the S1W Prototype. He entered the University of Virginia in 1971 and received his BS in Nuclear Engineering, with Highest Distinction, in 1977, and as a student served as Research Engineer and Senior Operator of the University of Virginia Reactor. He joined Duke Power in 1977, and rose to become Section Head for Nuclear Plant Analysis. In 1987 Bill joined Nuclear Management and Resources Council (NUMARC) as Vice President and Director, and then served as Senior Vice President of the successor organization, the Nuclear Energy Institute (NEI), where he directed the resources of the nuclear industry in resolving generic issues with the Nuclear Regulatory Commission, Department of Energy, Environmental Protection Agency,

the Congress and others. At NEI Bill served as the industry spokesman with key government officials and Congressional staff on industry technical and regulatory affairs.

From 1998 to 2000 Bill had the position of Vice President, Nuclear, Fuels, and Quality Assurance Services for Duke Engineering and Services, where he integrated the previous Yankee Atomic Nuclear Services Division into a Duke Engineering business unit. In addition to his University of Virginia degree, Bill has attended the Institute of Nuclear Power Operations Senior Nuclear Executive course. He has been very active in the Electric Power Research Institute, the Atomic Industrial Forum and the ANS. He was Chair of the Piedmont Carolinas ANS Section