



國立清華大學  
NATIONAL TSING HUA UNIVERSITY

## Colloquium

Department of Engineering  
and System Science,  
Institute of Nuclear  
Engineering and Science,  
National Tsing Hua University

### TOPIC

US Small Modular Reactor (SMR)  
Development and Status

何里賓博士 (NE75, NE77G)

**Dr. Alfred Lee Bin Ho**  
**Retired Project Manager,**  
**TerraPower LLC**

**In this talk, the following  
content will be presented:**

**The research and development,  
and current status of the small  
modular reactors in the  
United States**

**15:30-17:20, June. 7<sup>th</sup> (Wed.), 2023**  
**NE69, ESS Building, NTHU**  
**101, Sec. 2, Kuang-Fu Rd.,**  
**Hsinchu 30013, Taiwan**

## Biography:



何里賓博士

**Dr. Alfred Lee Bin Ho**

Dr. Ho received his BS and MS degree in 1975 and 1977 from the National Tsing Hua University, Taiwan, and his PhD degrees from Purdue University in USA (1981). Alfred Ho is a highly experienced professional in the nuclear industry, with expertise in in-core monitoring systems, BWR core design and safety analyses, sales and project management. With a career spanning AREVA and TerraPower, he has held key positions such as Project Manager, Sales Director, Manager and Team Leader. Alfred's contributions include TWR technical assessments, collaborations with Chinese partners, Natrium SMR fuel supply, and LWR reload fuel design, development, licensing, sales and management.

### Experience

- TerraPower LLC, 2013 – 2022
  - Project Manager assisting technical assessment of Traveling Wave Reactor Technology and interface with Chinese potential partners
  - ARDP SMR design, development, and fuel supply management
- AREVA (formerly Framatome, Siemens Nuclear Power, Advanced Nuclear Fuel, Exxon Nuclear) 1981 – 2013
  - Sales Director for Chinshan and Kuosheng reload supply & others