

Plenary Talk 2



Zuoyi ZHANG

*Professor, Director of INET
Tsinghua University*

The Project of HTR Pebble-bed Module (HTR-PM) and its Technical Consideration

HTR-PM is a demonstration plant of pebble-bed modular high temperature gas cooled reactor to be built in China. The project is scheduled to be finished in the year of 2013. The owner company and chief reactor contractor have been established. The site is selected in Shandong province of the east China. HTR-PM is based on technical experience of INET's 10 MW high temperature gas cooled reactor (HTR-10), which has been operated since 2003, and uses the state of art technology in the world. The plant will have two reactor modules. Each reactor module is of 250 MW thermal power and one zone cylinder pebble-bed core. Two reactor modules connect to a steam turbine. The electrical power of the plant is 200 MW. The technical and cost consideration of HTR-PM design will be discussed in the presentation.

Zuoyi ZHANG

Professor Zuoyi ZHANG was born in Fujian, China 1962. 1984 he got a bachelor in Thermal Engineering in Tsinghua University, Beijing. 1989 he got a Ph. D. degree in Nuclear Engineering in Tsinghua University. 1992-1994 He was an Alexander von

Humboldt Research Fellow in German Research Center Juelich. From 1994 he worked in INET of Tsinghua University as a Professor, division head, deputy director and executive deputy director. From 2001 he was Director of INET, Tsinghua University. He is a member of the national nuclear safety advisory committee.