


## Personal Profile (Lecturer)

**Lecture ID :** 1-2  
**Lecture Title :** Design Features and Demonstration Tests of Advanced Accumulator,  
a New Passive ECCS Component of APWR

<b>1. Name</b> (First/middle/Family)	<b>Tadashi / - / Shiraishi</b>	
<b>2. Current position/Affiliation</b>	Special Adviser /Plant Engineering Department, MHI Nuclear Engineering Co. Ltd.	
<b>3. Highest Education</b> (Name of Institution/ Major field of study/ Degree and Date received)	California Institute of Technology (Ca., USA) / Mechanical Engineering / Mechanical Engineer (Professional Degree) in 1977	
<b>4. Work History</b> (Employer / Work period)	<ul style="list-style-type: none"> <li>·Mitsubishi Heavy Industries, Ltd. (Kobe, Takasago) / 1972-2004</li> <li>·Koryo Engineering Co. Ltd. (Takasago) / 2004-2008</li> <li>·MHI Nuclear Engineering Co., Ltd. (Kobe) / 2008-present</li> </ul>	
<b>5. Professional Experience</b> (Major experience relevant to the "Lecture" and period)	<ul style="list-style-type: none"> <li>·Research and development on fluid dynamics in steam generators, condensers, and pipelines for PWR (MHI) (1972-2004)</li> <li>·Invention of Advanced Accumulator (MHI) (1986)</li> <li>·Development of Advanced Accumulator for next generation PWR (MHI and Shanghai, China) (1987-1994)</li> <li>·Development of Advanced Accumulator for APWR (MHI) (1995-1997)</li> <li>·Technical explanation of Advanced Accumulator for Tsuruga Nuclear Power Plant-3/4 Units of JAPCO at METI (2005-2007)</li> <li>·Technical explanation of Advanced Accumulator for US-APWR at NRC, USA (2007-present)</li> <li>·Research and development on fluid dynamics in reactor vessels, hot/cold legs, steam generators, and pumps for FBR, viz. JPFR "Monju" and JSFR (MHI) (1972-present)</li> </ul>	