

Dr. Rosa Yang is a recognized nuclear industry leader with a proven track record engaging the support and cooperation of US and international utilities, manufacturers and regulators to resolve key industry issues. A Fellow of the Electric Power Research Institute (EPRI), Dr. Yang is charged with leading EPRI's engagement with Asian utilities and related organizations. Her mission is to foster relationships and develop collaborative research programs maximizing unique capabilities in Asia to enhance the safety and performance of nuclear plants worldwide.

Dr. Yang's earlier contribution in EPRI focused on research activities leading to extending the cycle length and improving reliability for nuclear fuel under increasingly demanding operating conditions. Her most important contribution to the nuclear industry was the creation of the Fuel Reliability Program, with active participants from more than 10 countries. This program successfully resolved several critical industry issues impacting nuclear fuel reliability. Additionally, it conducted first-of-a-kind tests on loss-of-coolant accidents (LOCA) in hotcells with participation from international utilities and regulators. The results of these tests provided the technical basis for the current LOCA criteria.

As Director of the Materials and Chemistry, Dr. Yang guided a broad research portfolio enhancing scientific understanding of boiling and pressurized water reactor materials aging and degradation, water chemistry control, fuel reliability, spent fuel storage, nuclear waste disposal, and radiation control.

As Vice President of Technology Innovation, Dr. Yang re-focused resources toward high-reward strategic areas including carbon capture, energy storage, renewables, sensors, nano-technology and advanced materials. She actively promoted innovation and initiated a breakthrough program aimed at pursuing game-changing technological advancements in the electricity industry: e.g. the use of robotics revolutionizing transmission line inspection, and new advanced resins significantly reducing radiation dose and shortening outages for nuclear plants.

Before joining EPRI, Dr. Yang worked for General Electric developing the company's fuel design and licensing code, leading several international fuel testing programs.

Dr. Yang earned her master's and doctorate degrees in nuclear engineering from the University of California at Berkeley. She also holds a Bachelor of Science degree from the National Tsing Hua University in Taiwan.