

Session Title: Small Modular Reactor for Nuclear

Name: Julio Friedmann

Position: Distinguished Associates, Energy Futures Initiative

Today's nuclear reactors face major challenges in commercial power markets world-wide. To overcome these challenges, the US Dept. of Energy has developed a long-lived, ambitious R&D program to develop and field the next generation of the nuclear power systems. This work includes alternative power cycles, support for small modular reactors, deep bore-hole waste disposal, and simulation-based tools to facilitate design, permitting, and fabrication. The goals of the R&D program include improved performance reduced costs, and a wider set of applications for nuclear power (e.g., delivering process heat or hydrogen production).