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10:30 – 11:30 a.m.

Building 5700, Conference Room O304

Computational and Experimental Analysis of the Flow in an Annular Centrifugal Contactor

The annular centrifugal contactor is the central piece of equipment for advanced liquid–liquid extraction processes for use in recycling spent nuclear fuel. This study combines computational flow modeling techniques and supporting experimental analyses with the aim of providing a more complete understanding of the fluid flow within the contactor to enable advancements in design and operation of future units.