

Einladung zum IKET-Kolloquium

Zeit: Dienstag, 4. Juni 2013, 15.00 Uhr
Ort: Kolloquiumsraum des IKET, Campus Nord, Bau 419, Raum 104
Referent: Prof. Dr. H.-J. Prasser, ETH, Zürich
Titel: Fluidynamic studies in rod bundle geometries

Zusammenfassung:

The Laboratory of Nuclear Energy Systems of the ETH Zurich and the Laboratory of Thermal Hydraulics of the Paul Scherrer Institute jointly carry out experimental work on single and two-phase flows in fuel rod bundle geometries. The measuring technologies range from the application of wire-mesh sensors and electrical liquid film thickness sensors of high temporal resolution to the use of tomography with cold neutrons with a very high spatial resolution. Both rectangular and triangular lattices are studied. Single phase experiments aim at a characterization of cross-mixing, which is modeled by the local injection of a salt tracer solution. Two-phase tests are performed in an adiabatic air-water flow. The flow regime ranges from bubbly to annular and both the empty geometry of parallel subchannels as well as the effect of spacer grids with functional vanes was investigated.

gez. T. Schulenberg

Alle auswärtigen Besucher des Kolloquiums werden gebeten, ihren gültigen Personalausweis oder Reisepass mitzubringen.