



Karlsruher Institut für Technologie

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AUSHANG

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

Institut für Kern- und Energietechnik

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Unser Zeichen:
Datum: 23. Oktober 2017



Außerordentliche Einladung zum IKET-Kolloquium

Zeit: Montag, 13. November 2017, 10.00 Uhr

Ort: Kolloquiumsraum des IKET, Campus Nord, Bau 419, Raum 104

Referent: Prof. Nikolay Pribaturin, Kutateladze Institute of Thermophysics Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia
P. Lobanov, Kutateladze Institute of Thermophysics Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia

Titel: Some results on thermal hydraulics of coolant in elements of nuclear reactors

Zusammenfassung:

The results of experimental studies performed in 2007-2017 on thermal hydraulics of coolants, including liquid-metal coolants in fuel assemblies and other elements of reactor installations, are presented. Hydrodynamic and heat transfer of the coolant in the fuel assemblies, the effect of spacing grids, and the thermal and hydraulics of flows in annular channels and T-junction are considered. The results of studies of a two-phase flow and its effect on hydrodynamic and heat transfer are also presented.

Methods of measurements for one and two-phase flows of coolant are also discussed.

gez. T. Schulenberg

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