

AKE 4: Nuclear Fission Energy

Time: Monday 15:00–15:30

Location: A 151

Invited Talk

AKE 4.1 Mon 15:00 A 151

Nuclear fission energy: new build, operation, fuel cycle and decommissioning in the international perspective — ●STEFAN NIESSEN — AREVA GmbH, Erlangen, Germany

Over 60 nuclear power reactors are in construction today and over 400 are connected to the grid. The presentation will show where. A nuclear new build project involves a team of several thousand people. Some

pictures from ongoing new build projects will illustrate this. Using concrete examples from the AREVA group, the nuclear fuel cycle from uranium mines in Niger, Kazakhstan or Canada to chemical conversion, enrichment and fuel manufacturing will be explained. Also the recycling of used fuel and the fabrication of MOX fuel is addressed. The presentation closes with an overview on decommissioning and final storage projects.