

8th GRS Workshop on the Safety of Extended Dry Storage of Spent Nuclear Fuel

15-17th May 2024 hosted by Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH

Chairs: Florian Rowold, Klemens Hummelsheim & Oliver Bartos

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Location: Boltzmannstraße 14
85748 Garching bei München
[How to get there](#)

Agenda

Wednesday, 15th May 2024

Time	Title	Speaker/Organization
12:00	Snacks & Drinks	
13:00	Welcoming and Workshop Overview	Chairs
13:20	IAEA Activities related to Extended Storage of Fuel	C. Gastl, IAEA
13:50	BGZ's Research Programme - Update and Overview	M. Stuke, BGZ
14:20	Coffee break	
14:40	Feasibility of passive measurements of the peak temperature of the cladding in a spent fuel cask during fuel transfer	S. Caruso, KKG
15:10	Self-limitation of cladding creep in dry storage	R. Sedlacek, Framatome
15:40	Coffee Break	
16:00	Extended Storage of Spent Nuclear Fuel in Casks, Inventory Assessment using Fuel Rod Performance Codes An Update and recent Developments	G. Spykman, TÜV Nord
16:30	Spent Fuel Safety Analysis during Dry Storage through Fuel (GIFT) and Thermal analysis (COBRA-SFS) Integrated Code	C. Lee, SNU
17:00	Coffee Break & End of Session	
18:00	Buffet @ GRS in Garching	

Thursday, 16th May 2024

Time	Title	Speaker/Organization
09:00	Coffee & Tea	
09:30	Structural Response of Reinforced Concrete Structures under Impact Loading	L. Heibges, RPTU
10:00	Evaluation of load scenarios for Spent Fuel Assemblies	K. Simbruner, GRS
10:30	Coffee Break	
11:00	Impact of Modeling Assumptions on Muon Scattering Images of Loaded Dry Storage Casks	J. Niedermeier, TUM
11:30	Radiation-based methods for non-invasive monitoring of transport and storage casks	S. Eisenhofer, TUD
12:00	Lunch Break	
13:15	Update of the SPIZWURZ project	S. Weick, KIT
13:45	SPIZWURZ Benchmark for simulation of hydrogen behaviour in fuel rod claddings at dry storage relevant conditions. Phase 1 (Blind tests)	A. Rezchikova, GRS
14:15	Coffee Break	
14:45	Evaluation methodology of spent fuel mechanical performance under UO ₂ oxidation in dry management	C. Aguado, CIEMAT
15:15	Investigation of chemical and mechanical properties of irradiated Zircaloy possibly influencing the structural integrity during dry (long-term) interim storage	T. Lin, KIT
15:45	Coffee Break & End of Session	
19:00	Dinner @ Hofbräukeller in München	

Friday, 17th May 2024

Time	Title	Speaker/Organization
09:00	Snacks & Drinks	
09:30	Activities of Axpo in the field of fuel integrity during dry storage	M. Zemek, Axpo
10:00	Works related to the characterization of spent nuclear fuel by Tractebel	A. Dethioux, Tractebel
10:30	Coffee Break	
10:50	Investigating the Applicability of the Master Curve Concept for Ductile Cast Iron – Early Results for 2 Different Test Temperatures	M. Holzwarth, US
11:20	An update on metal seal tests performed at BAM and implications for interim storage	M. Jaunich, BAM
11:50	Summary and Discussion of the Workshop	All
12:10	End of Workshop	