

ODBORNÝ SEMINÁR

HODNOTENIE BEZPEČNOSTI JADROVÝCH ELEKTRÁRNÍ V EURÓPSKOM KONTEXTE

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6. a 7. rámcový program EÚ

Metódy, prístupy a skúsenosti v oblasti deterministických analýz

MIESTO:

HOTEL DAMONA REGIA

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DÁTUM:

5. - 7. 10. 2009

ORGANIZUJE:

VUJE a.s., Divízia jadrovej bezpečnosti

Za podpory Agentúry na podporu výskumu a vývoja

Agenda of the meeting

Monday 5th October 2009 - afternoon session		
14:00	Opening, agenda, logistics notes	Ing. Cvan M., CSc
Session dedicated to severe accident analyses and relevant modifications of the units		
14:15	Simulation and analysis of severe accidents in the context of Safety analyses and SAMG introduction support Discussion	Ing. Jančovič J., Ing. Juriš P.
	SARNET (6th FP EC project, finished) Overview of the project and lessons learned Discussion	Ing. Jančovič J.
	SARNET2 (7th FP EC project, just started) General information, aims, content Discussion	Ing. Jančovič J.
	Design modifications of the original MO34 project for mitigation of severe accident consequences Discussion	Ing. Baláž J. Ing. Cvan M., CSc.
	Present status of design modifications of the V2 and EMO12 units dedicated to SAMG Discussion	Oral information from SE participants
	Effect of spurious spray actuation to monitoring system within steam generator boxes - real EMO12 event <i>Vplyv sprchovania na merané parametre v boxe PG – skúsenosť z reálnej udalosti na EMO12</i> Discussion	Ing. Zold T.
20:00	Informal discussion to severe accident topics, social event	

Tuesday, 6th October - morning session		
Session dedicated to 6th and 7th EC framework programs		
8:00	Lessons learned from EC projects - general notes to 6th and 7th FP EC projects	Ing. Cvan M., CSc.
8:20	RAPHAEL - 6th FP EC project Discussion - perspectives of HTR projects for Slovakia	Ing. Kvizda B.
9:00	SARNET, SARNET2 - 6th/7th FP EC projects Discussion - potential areas of involvement and contributions of TS organizations and operators to severe accident research	Ing. Jančovič J.
9:45	FLOMIX - 7th FP EC project Discussion - perspectives of CFD simulations for nuclear applications	Ing. Remiš J. Ing. Klepáč J.
10:00	Coffee break	
10:15	COVERS - 6th FP EC project Discussion - experience, outcomes and potential of international cooperation of VVER operators and TS organizations	Ing. Klepáč J.
10:45	Information about recent call within 7th FP EC project (potential of participation)	Ing. Cvan M., CSc.
11:15	Present status of VUJE involvement into government supported research (APVV activities, UJD projects, cooperation with universities) Discussion - Potential of such projects, involvement of operator, specific research supporting projects (technical development project) of NPP operator	Ing. Kvizda B. Ing. Fogel M. Ing. Remiš J. Ing. Klepáč J.
12:30	Lunch	

Tuesday 6th October - afternoon session		
Session dedicated to safety analyses of Slovak nuclear power units		
14:00	Overview of available skills and tools of the VUJE analytical group	Ing. Cvan M., CSc.
	Overview of available codes and models for simulation of transients and accidents up to severe ones, perspectives of evolution and revolutions Discussion	Ing. Kliment (RELAP), Ing. Jančovič (MELCOR-SA), Ing. Cvan (MELCOR-contnmt) Ing. Bujan (ASTEC), Ing. Filo (MIXEBO) Ing. Juriš (PARCS, DYN)
	Outcomes and challenges for deterministic safety analyses resulting from Periodic safety evaluations of both Bohunice and Mochovce units Discussion	Ing. Filo J.
15:30	Coffee break	
	Open problems of uncertainty of initial and boundary conditions of safety analyses, especially of primary flow rate and reactor power Discussion	Ing. Kliment T.
	Validation and verification of calculation models and application of realistic analyses with quantification of uncertainty in licensing praxis. Discussion	Ing. Kvizda B.
	Supporting TH analyses for PSA level 1	Ing. Kliment T.
20:00	Open and poster presentation of results and outcomes of EC projects by participants Informal discussion to licensing safety analysis and EC projects Social event	

Wednesday, 7th October - morning session

Session dedicated to specific problems of deterministic safety analyses

8:00	Reactor power safety limit - evolution and present status at Slovak units. Discussion	Dr. Hatala B.
	Specifics of safety analyses of low power and shut down states for licensing purposes - experience, lessons learned, perspectives Discussion	Ing. Fogel M. Dr. Hatala B.
	Fission product inventory inside core and challenges in neutronic data acquisition for safety analyses Discussion	Ing. Chrapčiak V., CSc.
	Specifics of the ATWS analyses Discussion	Ing. Jakubček P.
	Potential of CFD simulations for nuclear applications using outcomes from 6th EC FP FLOMIX project Discussion	Ing. Remiš J.
12:00	Closure of the meeting	