

Nuclear Corrosion Summer School 2023 (NuCoSS-23) - Programme

Sun., 02 July 2023		Block	Lecture	Lecturer
			Arrival at the hotel	
	16:30-17:00		Get together & coffee/tea break	
0	17:00-17:15		Welcome & school 'mechanics'	A. Legat, B. Zajec
1a	17:15-18:30	Electrochemistry & corrosion	Introduction to corrosion (I)	F. Scenini
	18:30-19:30		Dinner	
1b	19:30-21:00		Introduction to corrosion (II)	F. Scenini

Mon., 03 July 2023		Block	Lecture	Lecturer
1c	09:00-10:30	Electrochemistry & corrosion	Introduction to corrosion (III)	F. Scenini
	10:30-11:00		Coffee break	
2	11:00-12:30		Advanced technologies to characterise corrosion	D. Engelberg
	12:30-13:30		Lunch	
	13:30-17:00		Free time (social activities)	
	~17:00-17:30		Get together & coffee/tea break	
3	17:30-19:00	General overview on nucl. corrosion	Corrosion in the nuclear cycle	D. Féron
	19:00-20:00		Dinner	
4	20:00-21:30	Corrosion in LWRs	Materials, metallurgy and principles of LWR operation	D. Engelberg

Tue., 04 July 2023		Block	Lecture	Lecturer
5a	09:00-10:30	Corrosion in LWR plants	Corrosion issues in LWRs - EAC (I)	H.-P. Seifert, R. Kilian
	10:30-11:00		Coffee break	
5b	11:00-12:30		Corrosion issues in LWRs - EAC (II)	H.-P. Seifert, R. Kilian
	12:30-13:30		Lunch	
	13:30-17:00		Free time (social activities)	
	~17:00-17:30		Get together & coffee/tea break	
5c	17:30-19:00		Corrosion issues in LWRs - EAC (III)	H.-P. Seifert, R. Kilian
	19:00-20:00		Dinner	
6	20:00-21:30		Corrosion issues in LWRs - FAC	D. Delacoux

Wed., 05 July 2023		Block	Lecture	Lecturer
7	09:00-10:30	Corrosion in LWR plants	Corrosion issues in LWRs - MIC	R. Kilian
	10:30-11:00		Coffee break	
8	11:00-12:00		Corrosion issues in LWRs - other phenomena	D. Féron
9	12:00-12:30		Corrosion/EAC mitigation in LWRs	S. Ritter
	12:30-13:30		Lunch	
	13:30-17:00		Common bus tour (or free time)	
	~17:00-17:30	Get together & coffee/tea break		
10	17:30-19:00		Corrosion monitoring in LWR environments	J. Macák
	19:00-20:00		Dinner	
11	20:00-21:30		Corrosion in nuclear power systems – management, mechanisms & field cases	P. Efsing
12a	21:30-22:15	Practical work	Optional workshop: Build your own RE	J. Noël

Thu., 06 July 2023		Block	Lecture	Lecturer
13a	09:00-10:30	Corrosion in nuclear waste disposals	Nuclear waste disposal concepts	J. Noël
	10:30-11:00		Coffee break	
13b	11:00-12:30		Corrosion phenomena in nuclear waste disposal systems	J. Noël
	12:30-13:30		Lunch	
	13:30-17:00		Free time (social activities)	
	~17:00-17:30		Get together & coffee/tea break	
14a	17:30-19:00	Corrosion in Gen-IV systems	Introduction to Gen-IV systems & high-temperature corrosion	L. Martinelli
	19:00-20:00		Dinner	
14b	20:00-21:30		Corrosion phenomena in Gen-IV systems	L. Martinelli

Fri., 07 July 2023		Block	Lecture	Lecturer
12b	09:00-10:30	Practical work	Exercises in small groups (simple electrochemical/corrosion experiments) (I)	Schrems, Zajec, Noël
	10:30-11:00		Coffee break	
12c	11:00-12:00		Exercises in small groups (simple electrochemical/corrosion experiments) (II)	Schrems, Zajec, Noël
15	12:00-12:30	Wrap-up	Survey and wrap-up of the School	B. Zajec, S. Ritter
	12:30-13:30		Lunch	
	13:30		End of NuCoSS-23	