

## Agenda

23rd Coordinated Working Group Meeting (Kyoto JA Building and Kyoto Campus Plaza, Kyoto, Japan, June 5-8, 2023)

CEST	EDT	CDT	CST	JST	
	07:00	13:00	14:00	01:00	Monday, 5 June
					<b>Welcome and Introduction</b>
	02:30	20:30	19:30	08:30	09:30 Welcome to the 23rd CWGM Y. Suzuki (Univ. of Hiroshima) and K. Nagasaki (Kyoto Univ.)
	02:50	20:50	19:50	08:50	09:50 CWGM news, organization and focus. An overarching deliverable for the CWGM? A. Alonso (CIEMAT)
					10:15 Schedule and plans of HSX, LHD, TJ-II and W7-X
	03:45	21:45	20:45	09:45	10:45 Coffee break
					<b>Transport and Confinement 1: Experimental overview</b>
	04:00	22:00	21:00	10:00	11:00 Core transport in a stellarator reactor: Learning from present-day experiments and main questions ahead D. Carralero (CIEMAT)
	04:30	22:30	21:30	10:30	11:30 Discussion.
	04:45	22:45	21:45	10:45	11:45 Guided discussion on JEs, coordinators and participants D. Carralero (CIEMAT)
	05:30	23:30	22:30	11:30	12:30 Lunch and meet-up time
					<b>Transport and Confinement 2: Simulation and optimization overview</b>
	07:00	01:00	00:00	13:00	14:00 Challenges in multi-species plasma transport physics in stellarators emerging from simulation and optimization studies M. Nunami (NIFS)
	07:30	01:30	00:30	13:30	14:30 Discussion.
	08:10	02:10	01:10	14:10	15:10 Coffee break
	08:30	02:30	01:30	14:30	15:30 Guided discussion on JAs, coordinators and participants M. Nunami (NIFS)
	09:30	03:30	02:30	15:30	16:30 Adjourn Session outcome: Agreed list of medium-term Deliverables and JAs (with coordinator and participants)
					Tuesday, 6 June
					<b>SOLDIV-1: Gaps</b>
	02:00	20:00	19:00	08:00	09:00 Reactor gaps: Predictive modeling, code development and operation, edge turbulence models, simplified models for optimization. Feasibility / trade-offs of RDs, NRDs and Helical divertors A. Bader (UWM)
	02:30	20:30	19:30	08:30	09:30 Discussion.
	03:10	21:10	20:10	09:10	10:10 Coffee break
	03:30	21:30	20:30	09:30	10:30 Guided discussion on JAs, coordinators and participants. A. Bader (UWM)
	04:30	22:30	21:30	10:30	11:30 Lunch and meet-up time
					<b>SOLDIV-2: Metrics and transport scaling</b>
	06:30	00:30	23:30	12:30	13:30 Areas for experimental collaboration. Developing agreed upon metrics for edge regimes (high recycling / detachment / compression). Measuring empirical transport parameters and experimental code validation V. Winters (IPP)
	07:00	01:00	00:00	13:00	14:00 Discussion.
	07:40	01:40	00:40	13:40	14:40 Coffee break
	08:00	02:00	01:00	14:00	15:00 Guided discussion on JEs, coordinators and participants. V. Winters (IPP)
	09:00	03:00	02:00	15:00	16:00 Adjourn Session outcome: Agreed list of medium-term Deliverables and JAs (with coordinator and participants)
					Wednesday, 7 June
					<b>EPMHD-1: Energetic particle transport and EP/AEs interaction</b>
	02:00	20:00	19:00	08:00	09:00 Overview talk. Pressing issues for a stellarator reactor: state of the field, gaps and opportunities for the CWGM. A. Knieps (FZJ)
	02:30	20:30	19:30	08:30	09:30 Discussion.
	03:10	21:10	20:10	09:10	10:10 Coffee break
	03:30	21:30	20:30	09:30	10:30 Guided discussion on JAs, coordinators and participants.
	04:30	22:30	21:30	10:30	11:30 Lunch and meet-up time
					<b>EPMHD-2: High-beta, beta limits and EM turbulence.</b>
	06:30	00:30	23:30	12:30	13:30 Overview talk. Pressing issues for a stellarator reactor: state of the field, gaps and opportunities for the CWGM. A. Wright (PPPL)
	07:00	01:00	00:00	13:00	14:00 Discussion.
	07:40	01:40	00:40	13:40	14:40 Coffee break
	08:00	02:00	01:00	14:00	15:00 Guided discussion on JAs, coordinators and participants.
	09:00	03:00	02:00	15:00	16:00 Adjourn Session outcome: Agreed list of medium-term Deliverables and JAs (with coordinator and participants)
					Thursday, 8 June
					<b>Guest topic</b>
	02:00	20:00	19:00	08:00	09:00 The future of stellarator research in a world of commercial interest for stellarator power plants F. Warmer (TUE)
	02:30	20:30	19:30	08:30	09:30 Discussion.
	03:10	21:10	20:10	09:10	10:10 Coffee break
					<b>Closing</b>
	03:30	21:30	20:30	09:30	10:30 Closing and next steps K. Nagasaki (Kyoto Univ.) and Y. Suzuki (Univ. of Hiroshima).
	04:00	22:00	21:00	10:00	11:00 End