

ITER International School 2022
AGENDA for Monday, July 25, 2022

Time (PDT)	Topic
9:00 AM	Welcome <i>Charles Greenfield (General Atomics)</i>
9:30 AM	Introduction to UCSD <i>Dmitri Orlov (UC San Diego)</i>
10:00 AM	Coffee Break
10:30 AM	DIII-D Scenario Development and Control Research <i>Chris Holcomb (Lawrence Livermore National Laboratory)</i>
11:15 AM	Status of the ITER Project and its Scenario Development and Control <i>Peter de Vries (ITER Organization)</i>
12:00 PM	Lunch
1:00 PM	Introduction to Tokamak Operation Scenarios and Development Considerations <i>Hartmut Zohm (Max Planck Institute for Plasma Physics)</i>
2:00 PM	The Science of Control <i>Michael Walker (General Atomics)</i>
3:00 PM	Short break (no refreshments)
3:15 PM	General Discussion and Q&A
4:15 PM	Adjourn
4:30 PM	Pre-tour dinner served to all participants
5:45 PM	Buses depart for tours

AGENDA for Tuesday, July 26, 2022

Time (PDT)	Topic
9:00 AM	Control Simulation <i>Wolfgang Treutterer (Max Planck Institute for Plasma Physics)</i>
10:00 AM	Coffee Break
10:30 AM	Magnetic Equilibrium and Instability Control <i>Gianmaria De Tommasi (University of Naples)</i>
11:30 AM	General Discussion and Q&A
12:00 PM	Lunch
1:00 PM	First Wall Heat Load Control, ELM and Divertor, Detachment Control <i>David Eldon (General Atomics)</i>
2:00 PM	Disruption Prevention and Avoidance <i>David Humphreys (General Atomics)</i>
3:00 PM	Start Poster Session I
3:30 PM	Coffee Break
5:00 PM	Continue Poster Session I
5:30 PM	Adjourn
<i>Please join us for a school dinner, hosted by General Atomics, at Dirty Birds Bar and Grill on the UCSD Campus following today's technical session.</i>	

AGENDA for Wednesday, July 27, 2022

Time (PDT)	Topic
9:00 AM	Model Based Control <i>Egemen Kolemen (Princeton University)</i>
10:00 AM	Coffee Break
10:30 AM	Core Kinetic and Magnetic Control in Tokamak Reactors <i>Eugenio Schuster (Lehigh University)</i>
11:30 AM	General Discussion and Q&A
12:00 PM	Lunch
1:00 PM	Actuators and Sensors for Tokamak Control <i>George Sips (General Atomics)</i>
2:00 PM	Integration of plasma real-time control, state monitoring and event detection for reliable and routine operation of tokamaks <i>Federico Felici (Swiss Plasma Center)</i>
3:00 PM	General Discussion and Q&A
3:30 PM	Coffee Break
4:00 PM	Scenario Development Constraints (operation limits, control constraints) <i>Indranil Bandyopadhyay (ITER India)</i>
5:00 PM	General Discussion and Q&A
5:30 PM	Adjourn

AGENDA for Thursday, July 28, 2022

Time (PDT)	Topic
9:00 AM	Integrated Operation Scenarios <i>Francesca Poli (Princeton Plasma Physics Laboratory)</i>
10:00 AM	Coffee Break
10:30 AM	ITER Pre-Fusion Power Operation Phase Scenarios <i>Sun-Hee Kim (ITER Organization)</i>
11:30 AM	General Discussion and Q&A
12:00 PM	Lunch
1:00 PM	ITER Baseline Scenario (Q=10 ELMy H-mode) <i>Francesca Turco (Columbia University)</i>
2:00 PM	Preparation and Execution of JET Deuterium-Tritium Campaign <i>Joëlle Mailloux (UKAEA)</i>
3:00 PM	Start Poster Session II
3:30 PM	Coffee Break
5:00 PM	Continue Poster Session II
5:30 PM	Adjourn

AGENDA for Friday, July 28, 2022

Time (PDT)	Topic
9:00 AM	Alternative Tokamak Operation Scenarios <i>Yong-Su Na (Seoul National University)</i>
10:00 AM	Coffee Break
10:30 AM	Long-Pulse Tokamak Operations <i>Sang-Hee Hahn (Korea Institute of Fusion Energy)</i>
11:30 AM	General Discussion and Q&A
12:00 PM	Lunch
1:00 PM	Best Poster Prize
1:30 PM	Closing Ceremony
2:00 PM	End of IIS2022