

The 14th International Symposium of Advanced Energy Science – Research Activities on Zero-Emission Energy Network-

Timetable August 30th, 2023

JP			DE, FR							
JST(UTC+9)			CEST(UTC+2)							
Start	Period	End	Start	End	Venue	Session	Speakers	Specialized field	Univ./Institute	Title
9:00	0:30	9:30	2:00	2:30	Kihada Hall,Obaku Plaza	Registration				
9:30	0:10	9:40	2:30	2:40		Opening	Takashi MORII (Director of IAE, Kyoto University)			
9:40	0:50	10:30	2:40	3:30		Plenary Chair: Takashi MORII	Zensho YOSHIDA	Plasma Physics	National Institute for Fusion Science, Japan	Prospects of Fusion Energy and Paradigm Shifts in Fusion Science
10:30	0:20	10:50	3:30	3:50	Coffee Break (20 min) Venue :Kihada Hybrid Space					
10:50	0:30	11:20	3:50	4:20	Kihada Hall,Obaku Plaza	Session 1 Chair: Shinji KOBAYASHI	Gunsu S. YUN	Magnetic Confinement Fusion (MCF)	Pohang University of Science and Technology, Korea	Understanding Non-normal Fluid Behavior in Fusion Plasmas
11:20	0:30	11:50	4:20	4:50			Mitsuru HONDA	Numerical Simulations of Magnetically-Confined Fusion Plasmas	Kyoto Univeristy, Japan	Supervised and Unsupervised Learning Approaches to Complement Numerical Simulations of Fusion Plasmas
11:50	0:30	12:20	4:50	5:20			Fujio MAEKAWA	Neutronics	Japan Atomic Energy Agency, Japan	Accelerator Driven System for Efficient Transmutation of Radioactive Waste
12:20	0:15	12:35	5:20	5:35		Photo				
12:35	1:40	14:15	5:35	7:15	Lunch (100 min)					
14:15	1:00	15:15	7:15	8:15	Kihada Hall, Obaku Plaza	Student Poster Session 1	Student Poster Preview 1			
15:15	1:30	16:45	8:15	9:45	Kihada Hybrid Space		Student Poster Session 1			
16:45	0:10	16:55	9:45	9:55		Announcement	Yuhei MIYAUCHI			
16:55	0:35	17:30	9:55	10:30	Break (35 min)					
17:30	1:30	19:00	10:30	12:00	Kihada Hybrid Space	Welcome Reception & ZE Poster Session				

Timetable August 31st, 2023

JP			DE, FR							
JST(UTC+9)			CEST(UTC+2)							
Start	Period	End	Start	End	Venue	Session	Speakers	Specialized field	Univ./Institute	Title
9:30	1:00	10:30	2:30	3:30	Kihada Hall, Obaku Plaza	Student Poster Session 2	Student Poster Preview 2			
10:30	1:30	12:00	3:30	5:00	Kihada Hybrid Space		Student Poster Session 2			
12:00	1:30	13:30	5:00	6:30	Lunch (90 min)					
13:30	0:20	13:50	6:30	6:50	Kihada Hall, Obaku Plaza	IAE Session Chair: Peng LIN	Takashi NAGATA	Structural Biology	IAE, Kyoto University, Japan	Structural Biology Approaches to Biomass Utilization: Opportunities and Challenges
13:50	0:30	14:20	6:50	7:20		Session 2 Chair: Hideaki OHGAKI	Rong XIANG	Atomic-scale Material Synthesis	Zhejiang University, China	Design and Synthesis of One-dimensional van der Waals Heterostructures for Energy Applications
14:20	0:30	14:50	7:20	7:50			Kyohei YOSHIDA	Inorganic Chemistry	Kumamoto Industrial Research Institute, Japan	Mode-selective Phonon Excitation of Semiconductors by MIR-free Electron Laser
14:50	0:30	15:20	7:50	8:20			Nobutaka FUJIEDA	Bioinorganic Chemistry	Osaka Metropolitan University, Japan	Simple Designing Artificial Non-heme Metalloenzymes and Their Application to Stereoselective Synthesis
15:20	0:20	15:40	8:20	8:40	Coffee Break (20 min) Venue :Kihada Hybrid Space					
15:40	0:30	16:10	8:40	9:10	Kihada Hall, Obaku Plaza	Session 3 Chair: Eiji NAKATA	Koji MIYAZAKI	Thermal Engineering	Kyushu University, Japan	Thermoelectric Properties of a Printed Thermoelectric Film
16:10	0:30	16:40	9:10	9:40			Jean-Philippe COLOMBIER	Laser Processing	The Hubert Curien Laboratory, France	Ultrafast Laser-induced Surface Complexity Patterns at the Nanoscale
16:40	0:30	17:10	9:40	10:10			Atsushi URAKAWA	Heterogenous Catalysis	Delft University of Technology, Netherlands	Playing with Thermodynamics and Kinetics in CO <sub>2</sub> Conversion Catalysis
17:10	0:30	17:40	10:10	10:40			Francisco A. HERNÁNDEZ GONZÁLEZ	Nuclear Fusion	Karlsruhe Institute of Technology, Germany	Emerging Breeding Blanket variants for the EU DEMO
17:40	0:10	17:50	10:40	10:50	Break (10 min)					
17:50	0:10	18:00	10:50	11:00	Kihada Hall, Obaku Plaza	Award Ceremony	Takashi MORII			
18:00	0:10	18:10	11:00	11:10		Announcement	Yuhei MIYAUCHI			
18:10	0:05	18:15	11:10	11:15		Closing	Yuhei MIYAUCHI			

Timetable September 1st, 2023

JP			DE, FR							
JST(UTC+9)			CEST(UTC+2)							
Start	Period	End	Start	End	Title					
8:55	8:15	17:10	1:55	10:10	Seminar I [Carbon Negative Science] Symposium on Exploring Carbon Negative Energy Science 2023, Venue: Main Building 5F W-503E & Online					
13:00	4:00	16:40	6:00	9:40	Seminar II [Plasma] High-Temperature Plasma Dynamics and Structure Formation Based on Magnetic Field Diversity, Venue: North Bldg. No.4 4F Seminar Room & Online					