

■The 8th International Symposium of Advanced Energy Science ~ Interdisciplinary Approach to Zero-Emission Energy ~

Timetable September 5th, 2017							
Start	Period	End	Venue	Speakers	Field	Univ./Institute	Title
9:15	0:15	9:30	Kihada Hall,Obaku Plaza	Registration			
9:30	0:15	9:45		[Opening] Yasuaki Kishimoto (IAE Director)			
9:45	0:50	10:35		[Plenary] Kanya Kusano	Plasma Astrophysics	Nagoya University	Space-Earth Environmental Research as an Interdisciplinary Science
10:35	0:15	10:50		[Group photo]			
10:50	0:20	11:10	Coffee break Venue :Kihada Hybrid Space				
11:10	0:25	11:35	Kihada Hall,Obaku Plaza	Takashi Morii	Bioenergy	IAE,Kyoto University	" Spatially organized enzymes drive artificial metabolic pathways "
11:35	0:25	12:00		Naoki Soneda	Nuclear Energy	Central Research Institute of Electric Power Industry	The role of materials science research for light water reactor sustainability
12:00	1:10	13:10	Lunch				
13:10	0:25	13:35	Kihada Hall,Obaku Plaza	Ryoji Hiwatari	Fusion Energy	National Institutes for Quantum and Radiological Science and Technology	Go forward to Fusion Electric Generation : Status of Japan's DEMO conceptual design activity
13:35	0:30	14:05		Shannon M. Bragg-Sitton	Nuclear Energy	Idaho National Laboratory	Development of Flexible Nuclear Energy Systems in the U.S.
14:05	0:25	14:30		Akinori Irizawa	Solid State Physics	Osaka University	Development of solid state physics by using FEL
14:30	0:20	14:50	Coffee break Venue :Kihada Hybrid Space				
14:50	0:25	15:15	Kihada Hall,Obaku Plaza	Masahiro Kawasaki	Atmospheric Chemistry	Nagoya University	Optical monitoring of greenhouse gases and air quality in the tropical peatlands in Asia: Sumatra and Kalimantan of Indonesia
15:15	0:25	15:40		Takashi Sagawa	Solar Energy Materials	Kyoto University	Fundamental aspects on solution processes for printable solar cells with high power conversion efficiency
15:40	0:25	16:05		Kenji Takahashi	Biomass	Kanazawa University	Lignocellulose-refinery using ionic liquids
16:05	0:20	16:25	Coffee break Venue :Kihada Hybrid Space				
16:25	1:10	17:35	Kihada Hall,Obaku Plaza	Panel Discussion			break
17:35	0:10	17:45					
17:45	2:00	19:45	Reception Venue :Kihada Hybrid Space				
Timetable September 6th, 2017							
Start	Period	End	Venue	Speakers	Field	Univ./Institute	Title
9:15	0:30	9:45	Kihada Hall,Obaku Plaza	Deliang Yu	Plasma Physics	Southwestern Institute of Physics	Ion Internal Transport Barrier on HL-2A
9:45	0:25	10:10		Tatsuya Kobayashi	Plasma Turbulence	National Institute for Fusion Science (NIFS)	Physical mechanism of confinement improvement mode transition in magnetically confined plasmas
10:10	1:10	11:20	Poster Session Venue : seminar room I ~ V				
11:20	0:10	11:30	Coffee break Venue :Kihada Hybrid Space, seminar room I ~ V				
11:30	0:25	11:55	Kihada Hall,Obaku Plaza	Akihide Fujisawa	Plasma Physics	Kyushu University	Development and present status of plasma turbulence measurement using tomography
11:55	0:30	12:25		Claus Felby	Bioenergy	University of Copenhagen	Bioenergy in a renewable energy supply –technologies, challenges and opportunities
12:25	1:50	14:15	Lunch (Steering Committee)				
14:15	0:30	14:45	Kihada Hall,Obaku Plaza	Seunghyun Baik	Nano Science	Sungkyunkwan University	Anisotropic Carbon Nanomaterials for Electron/Phonon Transports and Thermopower Waves
14:45	0:30	15:15		Dihua Wang	Solar Energy Materials	Wuhan University	Extraction of group IV materials for energy storage and conversion from their oxides by molten salt electrolysis
15:15	0:25	15:40		Kouji Yasuda	Solar Energy Materials	Kyoto University	Production of Silicon Ingot for Solar Cells Utilizing Volatile Metal Flux and Solidification Refining
15:40	0:25	16:05		Masatora Fukuda	Bioenergy	Fukuoka University	Development of the site-directed RNA mutagenesis for regulating an energy production in the cell
16:05	0:10	16:15		Closing			
Timetable September 7th, 2017							
Start	Period	End	Venue	Speakers	Title		
10:00	1:30	11:30	N273-E	Parallel Seminar I	Cellulose oxidation –the missing link in lignin degradation ? –		
13:00	3:00	16:00	N571-E	Parallel Seminar II	Symposium on exploring novel principles for highly efficient utilization of solar energy 2017		
Timetable September 4th, 2017							
Start	Period	End	Venue	Speakers	Title		
13:00	5:50	18:50	N273-E	Satellite Meeting	Workshop on Generation and Application of High Brightness Quantum Beam		