

Program at-a-Glance

September 16, 2018 (Sunday)

Time		
		Registration (17:00 - 20:00) The Westin Miyako Kyoto
18:00	20:00	Welcome Reception (The Westin Miyako Kyoto)

September 17, 2018 (Monday)

Time							
		Registration (8:30 - 10:30) Entrance of Kanbaikan 1st F in Muromachi Campus Registration (12:00 - 18:00) Entrance of Ryoshinkan 2nd F in Imadegawa Campus					
10:00	10:20	Opening Ceremony (Hardy Hall in Kanbaikan, Muromachi Campus)					
10:20	11:10	Plenary Lecture 1 (Hardy Hall in Kanbaikan, Muromachi Campus) <u>Monitoring, load extension and detection of damage in hydraulic turbines. New challenges.</u> by Prof. Eduard Egusquiza (CDIF-UPC Barcelona, Spain)					
11:10	13:00	Lunch Break					
Room		RY202	RY203	RY204	RY303	RY305	RY306
13:00	15:00	<u>Hydraulic Turbines 1</u>	<u>Hydraulic Turbine 2</u>	<u>Pumps 1</u>	<u>Hydraulic Systems 1</u>	<u>Cavi. & Multi. Flow 1</u>	<u>WS: Energy Storage 1</u>
120 minutes		Paper No.18	Paper No.382	Paper No.47	Paper No.3	Paper No.226	Keynote Speech <small>WSES1 : Prof. Francois Avellan (Paper No. 463) WSES2 : Prof. Aleksandar Gajic (Paper No. 461) WSES3 : Prof. Young-Ho Lee</small>
		Paper No.49	Paper No.384	Paper No.54	Paper No.8	Paper No.280	
		Paper No.20	Paper No.385	Paper No.115	Paper No.14	Paper No.423	
		Paper No.21	Paper No.388	Paper No.170	Paper No.30		
		Paper No.23	Paper No.390	Paper No.367	Paper No.34		
	Paper No.394		Paper No.42				
15:00	15:20	Coffee Break					
15:20	17:40		<u>Hydraulic Turbine 4</u>	<u>Pumps 2</u>	<u>Hydraulic Systems 2</u>	<u>Cavi. & Multi. Flow 2</u>	<u>WS: Energy Storage 2</u>
140 minutes			Paper No.395	Paper No.250	Paper No.44	Paper No.11	Paper No.140
			Paper No.410	Paper No.317	Paper No.43	Paper No.116	Paper No.209
			Paper No.61	Paper No.407	Paper No.136	Paper No.127	Paper No.29
			Paper No.421	Paper No.458	Paper No.89	Paper No.284	Paper No.292
			Paper No.31	Paper No.274	Paper No.104	Paper No.351	Paper No.72
			Paper No.77		Paper No.124		Paper No.342
	Paper No.50		Paper No.68				

September 18, 2018 (Tuesday)

Time							
		Registration (8:30 - 17:00) Entrance of Ryoshinkan 2nd F in Imadegawa Campus					
9:00	9:50	Plenary Lecture 2 (RY203) Understanding and progress on the unsteady problems due to rotor-stator interactions in hydraulic machines by Prof. Kazuyoshi Miyagawa (Waseda University, Japan)					
9:50	10:10	Coffee Break					
Room		RY202	RY203	RY204	RY303	RY305	RY306
10:10	12:10	Hydraulic Turbines 5	Hydraulic Turbine 6	Pumps 3	Hydraulic Systems 3	Cavi. & Multi. Flow 3	WS: Energy Storage 3
120 minutes		Paper No.98	Paper No.451	Paper No.19	Paper No.183	Paper No.261	Paper No.269
		Paper No.74	Paper No.457	Paper No.150	Paper No.262	Paper No.360	Paper No.132
		Paper No.82	Paper No.7	Paper No.362	Paper No.288	Paper No.386	Paper No.321
		Paper No.88	Paper No.6	Paper No.315	Paper No.373	Paper No.328	Paper No.438
		Paper No.90	Paper No.32	Paper No.391	Paper No.318	Paper No.41	Paper No.103
		Paper No.429		Paper No.22	Paper No.223	Paper No.109	Paper No.308
12:10	13:30	Lunch Break					
13:30	15:30	Hydraulic Turbines 7	PAT 1	Pumps 4	General Topics 1	Cavi. & Multi. Flow 4	WS: Energy Storage 4
120 minutes		Paper No.106	Paper No.449	Paper No.38	Paper No.408	Paper No.355	Paper No.110
		Paper No.134	Paper No.414	Paper No.53	Paper No.133	Paper No.361	Paper No.70
		Paper No.114	Paper No.357	Paper No.87	Paper No.327	Paper No.16	Paper No.322
		Paper No.118	Paper No.403	Paper No.208	Paper No.258	Paper No.331	Paper No.259
		Paper No.130	Paper No.341	Paper No.240	Paper No.200	Paper No.173	Paper No.312
		Paper No.108		Paper No.289	Paper No.307	Paper No.225	Seminar Intro.
15:30	15:50	Coffee Break					
15:50	17:50	Hydraulic Turbines 8	PAT 2	Pumps 5		Cavi. & Multi. Flow 5	WS: Energy Storage 5
120 minutes		Paper No.139	Paper No.324	Paper No.26		Paper No.171	Seminar "Rules for Hydraulic Transient Design Analysis" Prof. Aleksandar Gajic
		Paper No.146	Paper No.325	Paper No.39		Paper No.297	
		Paper No.149	Paper No.224	Paper No.85		Paper No.383	
		Paper No.151	Paper No.165	Paper No.368		Paper No.314	
		Paper No.152		Paper No.369		Paper No.283	
		Paper No.222		Paper No.95		Paper No.168	
(18:00)	(20:00)	Executive Committee Meeting (Kanbaikan 6th F in Muromachi Campus)					

September 19, 2018 (Wednesday)

Time							
		Registration (8:30 - 17:00) Entrance of Ryoshinkan 2nd F in Imadegawa Campus					
9:00	9:50	Plenary Lecture 3 (RY203) Changes in hydro turbine design - The last 40 years, and into the future. by Mr. Stuart Coulson (Voith Hydro, USA)					
9:50	10:10	Coffee Break					
Room		RY202	RY203	RY204	RY303	RY305	RY306
10:10	12:10	Hydraulic Turbines 9	Sustainable Hydro. 1	Pumps 6	Comp. & Exp. 1	Cavi. & Multi. Flow 6	Ocean Hydro 1
120 minutes		Paper No.153	Paper No.15	Paper No.393	Paper No.17	Paper No.400	Paper No.160
		Paper No.156	Paper No.126	Paper No.131	Paper No.46	Paper No.313	Paper No.161
		Paper No.162	Paper No.66	Paper No.147	Paper No.100	Paper No.396	Paper No.167
		Paper No.164	Paper No.69	Paper No.286	Paper No.93	Paper No.452	Paper No.251
		Paper No.166	Paper No.71	Paper No.202		Paper No.117	Paper No.217
			Paper No.238		Paper No.453	Paper No.245	
12:10	13:10	Lunch Break					
13:10	15:10	Hydraulic Turbines 10	Sustainable Hydro. 2	Pumps 7	Comp. & Exp. 2	Cavi. & Multi. Flow 7	Ocean Hydro 2
120 minutes		Paper No.176	Paper No.159	Paper No.1	Paper No.107	Paper No.129	Paper No.275
		Paper No.179	Paper No.174	Paper No.28	Paper No.111	Paper No.177	Paper No.310
		Paper No.190	Paper No.205	Paper No.36	Paper No.145	Paper No.246	Paper No.285
		Paper No.193	Paper No.215	Paper No.40	Paper No.154	Paper No.445	Paper No.303
		Paper No.194	Paper No.268	Paper No.102	Paper No.155	Paper No.447	Paper No.304
Paper No.196	Paper No.277	Paper No.122	Paper No.113	Paper No.235	Paper No.462		
15:10	15:30	Coffee Break					
15:30	17:10	Hydraulic Turbines 11	Sustainable Hydro. 3	Pumps 8	Comp. & Exp. 3	Cavi. & Multi. Flow 8	Ocean Hydro 3
100 minutes		Paper No.198	Paper No.405	Paper No.210	Paper No.172	Paper No.75	Paper No.276
		Paper No.199	Paper No.298	Paper No.249	Paper No.178	Paper No.229	Paper No.375
		Paper No.218	Paper No.460	Paper No.273	Paper No.182	Paper No.230	Paper No.397
		Paper No.220		Paper No.291	Paper No.207	Paper No.299	Paper No.415
		Paper No.99		Paper No.84	Paper No.255	Paper No.353	Paper No.287
19:00	21:00	Banquet (Hotel Granvia Kyoto)					

September 20, 2018 (Thursday)

Time							
		Registration (8:30 - 16:00) Entrance of Ryoshinkan 2nd F in Imadegawa Campus					
9:00	9:50	Plenary Lecture 4 (RY203) Cavitation and sand wear in a water injection pump: CFD and field experience. by Dr. Paul Cooper (Consultant, USA)					
9:50	10:10	Coffee Break					
Room		RY202	RY203	RY204	RY303	RY305	RY306
10:10	12:10	Hydraulic Turbines 12	H/M F/S Interaction 1	Panel Discussion	Comp. & Exp. 4	Cavi. & Multi-Flow 9	Pumped Storage 1
120 minutes		Paper No.231	Paper No.37	"The Future of Pumping Machinery" Coordinator: Dr. Akira Goto Panelist: Dr. Paul Cooper, Prof. Gerard Bois, Prof. Peter F. Pelz, Prof. Chisachi Kato, Prof. Kazuyoshi Miyagawa	Paper No.253	Paper No.236	Paper No.211
		Paper No.232	Paper No.221		Paper No.272	Paper No.243	Paper No.247
		Paper No.234	Paper No.33		Paper No.290	Paper No.338	Paper No.67
		Paper No.241	Paper No.78		Paper No.300	Paper No.344	Paper No.101
		Paper No.248	Paper No.148		Paper No.301	Paper No.345	Paper No.418
					Paper No.432	Paper No.412	
12:10	13:30	Lunch Break					
13:30	15:10	Hydraulic Turbines 13	H/M F/S Interaction 2	Pumps 9	Comp. & Exp. 5	WS: Single & Multi Stage 1	Pumped Storage 2
100 minutes		Paper No.381	Paper No.316	Paper No.444	Paper No.348	Paper No.65	Paper No.431
		Paper No.260	Paper No.339	Paper No.51	Paper No.340	Paper No.332	Paper No.203
		Paper No.265	Paper No.188	Paper No.181	Paper No.320	Paper No.365	Paper No.97
		Paper No.271	Paper No.13	Paper No.422	Paper No.350	Paper No.305	Paper No.456
		Paper No.293	Paper No.352	Paper No.216	Paper No.374		
15:10	15:30	Coffee Break					
15:30	17:10	Hydraulic Turbines 14	H/M F/S Interaction 3	Pumps 10	Comp. & Exp. 6	WS: Single & Multi Stage 2	Pumped Storage 3
100 minutes		Paper No.302	Paper No.436	Paper No.2	Paper No.446	Short presentations on final-stage model from WS organizers and colleagues	Paper No.4
		Paper No.319	Paper No.141	Paper No.92	Paper No.380		Paper No.9
		Paper No.363	Paper No.441	Paper No.213	Paper No.437		Paper No.142
		Paper No.376	Paper No.244	Paper No.371	Paper No.399		Paper No.347
		Paper No.311		Paper No.430			Paper No.125
17:20	17:40	Closing Ceremony (RY203)					

September 21, 2018 (Friday)

Time							
		Technical Tour					
8:00	18:00	Himeji Castle (National Treasure) and Okutataragi Pumped-Storage Hydroelectric Power Plant					