

## SCHEDULE

March 18 2021				
9 AM – 5.30 PM	Technical support for Presenters			
Monday March 22 2021				
10 – 10.30 AM	Welcome message and Conference opening Prof. François Avellan Prof. Stefan Riedelbauch			
10.30 – 11.05 AM	<b>Key Note</b> - Prof. Giovanna Cavazzini, Università di Padova (Italy) <i>“Fluid-dynamic and spectral characterization of instability phenomena in pump-turbines”</i>			
11.05 – 11.20 AM	Break			
11.20 – 11.55 AM	<b>Key Note</b> - Prof. Zhengwei Wang, Tsinghua University (China) <i>“Multi-field coupling analysis of hydraulic machinery”</i>			
11.55 – 12.30 PM	<b>Key Note</b> - Prof. Sébastien Houdé, Université Laval, (Canada) <i>“Challenges and solutions for low-load regimes in hydraulic turbines”</i>			
12.30 – 2 PM	Break			
2 – 3.45 PM	HYDRAULIC TURBINES 1	PUMPS 1	HYDRAULIC SYSTEMS 1	NUMERICAL SIMULATIONS 1
	Paper ID. 60178	Paper ID. 60402	Paper ID. 59885	Paper ID. 60283
	Paper ID. 62000	Paper ID. 60458	Paper ID. 60223	Paper ID. 60300
	Paper ID. 60408	Paper ID. 60459	Paper ID. 60346	Paper ID. 60350
	Paper ID. 61153	Paper ID. 60466	Paper ID. 60268	Paper ID. 60415
		Paper ID. 60357	Paper ID. 60421	Paper ID. 61151
3.45 – 4 PM	Break			
4 – 5.45 PM	HYDRAULIC TURBINES 2	CAVITATION AND MULTIPHASE FLOWS 1	EXPERIMENTAL TECHNIQUES 1	NUMERICAL SIMULATIONS 2
	Paper ID. 60186	Paper ID. 60184	Paper ID. 60419	Paper ID. 60366
	Paper ID. 60197	Paper ID. 60335	Paper ID. 60287	Paper ID. 60380
	Paper ID. 60248	Paper ID. 60394	Paper ID. 60403	Paper ID. 60384
	Paper ID. 60308	Paper ID. 61089	Paper ID. 60208	
	Paper ID. 60431		Paper ID. 60204	

Tuesday March 23 2021- Morning				
9 – 10.30 AM	HYDRAULIC TURBINES 3	HYDRAULIC TURBINES 4	NUMERICAL SIMULATIONS 3	EXPERIMENTAL TECHNIQUES 2
	Paper ID. 60213	Paper ID. 60324	Paper ID. 60182	Paper ID. 61166
	Paper ID. 60352	Paper ID. 60372	Paper ID. 60188	Paper ID. 60347
	Paper ID. 60503	Paper ID. 60288	Paper ID. 60241	Paper ID. 60365
	Paper ID. 60377	Paper ID. 60549	Paper ID. 60434	Paper ID. 60406
10.30 – 10.45 AM	Break			
10.45 – 12.30 PM	HYDRAULIC TURBINES 5	PUMPS 2	HYDRAULIC SYSTEMS 2	CAVITATION AND MULTIPHASE FLOWS 2
	Paper ID. 60385	Paper ID. 60285	Paper ID. 60245	Paper ID. 60212
	Paper ID. 60555	Paper ID. 60291	Paper ID. 60540	Paper ID. 60356
	Paper ID. 61079	Paper ID. 60298	Paper ID. 60389	Paper ID. 60490
	Paper ID. 60494	Paper ID. 60210		Paper ID. 60253
Paper ID. 60499			Paper ID. 60205	
12.30 – 2 PM	Break			
Tuesday March 23 2021- Afternoon				
2 – 3.45 PM	HYDRAULIC TURBINES 6	PAT	PUMPED STORAGE 1	NUMERICAL SIMULATIONS 4
	Paper ID. 61088	Paper ID. 60395	Paper ID. 60312	Paper ID. 60255
	Paper ID. 61152	Paper ID. 60271	Paper ID. 60382	Paper ID. 60545
	Paper ID. 61156	Paper ID. 60270	Paper ID. 61150	Paper ID. 60348
	Paper ID. 60388	Paper ID. 60424	Paper ID. 60216	Paper ID. 60344
Paper ID. 60338		Paper ID. 60396	Paper ID. 61164	
3.45 – 4 PM	Break			
4 – 5.45 PM	HYDRAULIC TURBINES 7	CAVITATION AND MULTIPHASE FLOWS 3	EXPERIMENTAL TECHNIQUES 3	
	Paper ID. 60218	Paper ID. 60262	Paper ID. 60334	
	Paper ID. 60303	Paper ID. 60328	Paper ID. 60351	
	Paper ID. 60336	Paper ID. 60306	Paper ID. 60358	
	Paper ID. 60398	Paper ID. 62500	Paper ID. 60428	
Paper ID. 61158		Paper ID. 60420		

**Wednesday March 24 2021- Morning**

9 – 10.30 AM	HYDRAULIC TURBINES 8	EXPERIMENTAL TECHNIQUES 4	PUMPED STORAGE 2	CAVITATION AND MULTIPHASE FLOWS 4
	Paper ID. 60405	Paper ID. 61070	Paper ID. 60202	Paper ID. 60470
	Paper ID. 60399	Paper ID. 60280	Paper ID. 60221	Paper ID. 60339
	Paper ID. 60355	Paper ID. 60429	Paper ID. 60342	Paper ID. 61163
	Paper ID. 60374	Paper ID. 60195	Paper ID. 60430	
10.30 – 10.45 AM	Break			
10.45 – 12.30 PM	HYDRAULIC TURBINES 9	PUMPS 3	PUMPED STORAGE 3	CAVITATION AND MULTIPHASE FLOWS 5
	Paper ID. 60433	Paper ID. 60214	Paper ID. 60274	Paper ID. 60289
	Paper ID. 60180	Paper ID. 60236	Paper ID. 60293	Paper ID. 60316
	Paper ID. 60200	Paper ID. 60247	Paper ID. 60310	Paper ID. 60456
	Paper ID. 60457	Paper ID. 60449	Paper ID. 60319	Paper ID. 60189
		Paper ID. 60370	Paper ID. 60259	
12.30 – 2 PM	Break			

**Wednesday March 24 2021- Afternoon**

2 – 3.45 PM	HYDRAULIC TURBINES 10	SUSTAINABLE HYDRO 1	NUMERICAL SIMULATIONS 5	EXPERIMENTAL TECHNIQUES 5
	Paper ID. 60196	Paper ID. 60323	Paper ID. 60462	Paper ID. 60257
	Paper ID. 62200	Paper ID. 60325	Paper ID. 60269	Paper ID. 60250
	Paper ID. 60301	Paper ID. 60278	Paper ID. 60307	Paper ID. 60321
	Paper ID. 60222	Paper ID. 60282	Paper ID. 60354	Paper ID. 62100
	Paper ID. 62300		Paper ID. 60417	Paper ID. 60425
3.45 – 4 PM	Break			
4 – 5.45 PM	HYDRAULIC TURBINES 11	SUSTAINABLE HYDRO 2	EXPERIMENTAL TECHNIQUES 6	
	Paper ID. 60313	Paper ID. 60349	Paper ID. 61144	
	Paper ID. 60353	Paper ID. 60340	Paper ID. 60231	
	Paper ID. 60486	Paper ID. 61162	Paper ID. 60359	
	Paper ID. 61167		Paper ID. 60329	
		Paper ID. 60295		

Thursday March 25 2021- Morning				
9 – 10.30 AM	HYDRAULIC TURBINES 12	OCEAN HYDRO MACHINERY	PUMPED STORAGE 4	NUMERICAL SIMULATIONS 6
	Paper ID. 60409	Paper ID. 60266	Paper ID. 60181	Paper ID. 61155
	Paper ID. 60273	Paper ID. 60376	Paper ID. 60391	Paper ID. 61146
	Paper ID. 60209	Paper ID. 60369	Paper ID. 60277	Paper ID. 60410
		Paper ID. 60482	Paper ID. 60446	
10.30 – 10.45 AM	Break			
10.45 – 12.30 PM	HYDRAULIC TURBINES 13	SUSTAINABLE HYDRO 3	PUMPED STORAGE 5	GENERAL TOPICS
	Paper ID. 60258	Paper ID. 60042	Paper ID. 60390	Paper ID. 60265
	Paper ID. 60368	Paper ID. 60242	Paper ID. 60193	Paper ID. 60229
	Paper ID. 60383	Paper ID. 60185	Paper ID. 60375	Paper ID. 61356
	Paper ID. 60491	Paper ID. 60240	Paper ID. 60373	Paper ID. 60309
Paper ID. 60493	Paper ID. 60461			
12.30 – 2 PM	Break			
Thursday March 25 2021- Afternoon				
2 – 4 PM	Presentation IAHR 2022 Closing Ceremony			