

**ICEC28-ICMC 2022 Technical Program Overview**

(v2.0, April 8, 2022)

25 April (MON)			
CST (China Standard Time) UTC+8	CEST (Central European Summer Time) UTC+2	CDT (Central Daylight Time) (UTC-5)	Event (Platform: Zoom)
Full-day	Full-day	Full-day	<b>Yaotai Registration and Virtual Reception</b>
14:00 - 18:00	8:00 - 12:00	1:00 - 5:00	<b>Short course</b> (sponsored by Beijing Sinoscience Fullcryo Technology Co.,Ltd.): <b>Helium Refrigeration for Large Powers</b> , by <b>Dr. Guy GISTAU BAGUER</b> (CRYOGUY) Short course chair: Jiuce Sun Zoom meeting ID: 898 868 36235 Meeting password: 391427
18:00 - 20:00	12:00 - 14:00	5:00 - 7:00	<b>Committee meeting</b>

26 April (TUE)			
CST (China Standard Time) UTC+8	CEST (Central European Summer Time) UTC+2	CDT (Central Daylight Time) (UTC-5)	Event (Platform: YAOTAI)
14:00 - 14:15	8:00 - 8:15	1:00 - 1:15	<b>Opening ceremony</b> Location: Theatre Room
14:15 - 14:30	8:15 - 8:30	1:15 - 1:30	<b>Mendelssohn Award 2020 Ceremony</b> Location: Theatre Room
14:30 - 15:30	8:30 - 9:30	1:30 - 2:30	<b>Plenary 1 - 2020 Mendelssohn Award Talk:</b> <b>Helium Refrigeration</b> , by <b>Dr. Guy GISTAU BAGUER</b> (CRYOGUY) Session chair: Marcel ter Brake Location: Theatre Room
16:00 - 17:00	10:00 - 11:00	3:00 - 4:00	<b>Plenary 2:</b> <b>Cryogenics for Quantum Technology</b> , by <b>Dr. Matti Manninen</b> (Bluefors Oy) Session chair: John Weisend II Location: Theatre Room
17:00 - 17:30	11:00 - 11:30	4:00 - 4:30	<b>Award Ceremony:</b> <b>1) Gustav and Ingrid Klipping Awards 2020 and 2022</b> <b>2) Cryogenics Best Paper Award</b> Location: Theatre Room
17:30 - 18:00	11:30 - 12:00	4:30 - 5:00	<b>Social event</b>

19:00 - 21:00	13:00 - 15:00	6:00 - 8:00	<b>Oral O1-A: Large-scale refrigeration and liquefaction I</b> Session chairs: Holger Neumann, Yonghua Huang Location: Lecture Room A	<b>Oral O2-B: Space cryogenics</b> Session chairs: Maoqiong Gong, Yuan Tang Location: Lecture Room B	<b>Oral O3-C: Cryocoolers I</b> Session chairs: Fons de Waele, Xiaoqin Zhi Location: Lecture Room C
			O1-A01-4157	O2-B01-4006	O3-C01-4144
			O1-A02-3981	O2-B02-3992	O3-C02-3980
			O1-A03-4221	O2-B03-4109	O3-C03-4017
			O1-A04-4041	O2-B04-4172	O3-C04-4120
			O1-A05-3919	O2-B05-4177	O3-C05-4008
			O1-A06-4083		O3-C06-4030
21:00 - 22:30	15:00 - 16:30	8:00 - 9:30	<b>Location: Exhibition Hall A</b> Session chair: Ruiping Zhang	<b>Location: Exhibition Hall B</b> Session chair: Xiaokuan You	
			<b>Poster P1-A: Large-scale refrigeration and liquefaction I</b>	<b>Poster P3-B: Cryocoolers I</b>	
			P1-A01-3965	P3-B01-3973	
			P1-A02-3971	P3-B02-3991	
			P1-A03-4044	P3-B03-3996	
			P1-A04-4136	P3-B04-3998	
			P1-A05-4182	P3-B05-3999	
			P1-A07-4212	P3-B06-4010	
			P1-A08-4222	P3-B07-4019	
			<b>Poster P2-A: Cryogenic components, systems, facilities, and testing I</b>	<b>Poster P4-B: Cryogenic heat transfer and thermal insulation I</b>	
			P2-A09-3940	P4-B08-3937	
			P2-A10-3941	P4-B09-3964	
			P2-A11-3990	P4-B10-4027	
			P2-A12-4001	P4-B11-4135	
			P2-A13-4022	P4-B12-4215	
			P2-A14-4024	P4-B13-4218	
			P2-A15-4036	<b>Poster P5-B: Superconducting materials and devices</b>	
P2-A16-4095	P5-B14-3951				
P2-A17-4118	P5-B15-3952				
P2-A18-4121	P5-B16-4078				
P2-A19-4183	P5-B17-4149				
P2-A20-4209	P5-B18-4166				
P2-A21-4243	P5-B20-4214				

**27 April (WED)**

<b>CST (China Standard Time) UTC+8</b>	<b>CEST (Central European Summer Time) UTC+2</b>	<b>CDT (Central Daylight Time) (UTC-5)</b>	<b>Event (Platform: YAOTAI)</b>		
14:00 - 14:15	8:00 - 8:15	1:00 - 1:15	<b>Mendelssohn Award 2022 Ceremony</b> Location: Theatre Room		
14:15 - 15:15	8:15 - 9:15	1:15 - 2:15	<b>Plenary 3 - 2022 Mendelssohn Award Talk: Thermodynamics and Heat Transfer in Cryogenics</b> , by Dr. Ray Radebaugh (NIST)  Session chair: Ercang Luo Location: Theatre Room		
15:20 - 18:00	9:20 - 12:00	2:20 - 5:00	<b>Oral O4-A: Cryogenic heat transfer and thermal insulation I</b> Session chairs: Bertrand Baudouy, Xiaobin Zhang  Location: Lecture Room A	<b>Oral O5-B: Cryogenic heat transfer and thermal insulation II</b> Session chairs: Hans Quack, Wei Dai  Location: Lecture Room B	<b>Oral O6-C: Superconducting materials and devices</b> Session chairs: Grant Lumsden, Chiheng Dong  Location: Lecture Room C
			O4-A01-4198 (Invited, Klipping Award)	O5-B01-4112	O6-C02-3993
			O4-A02-4000	O5-B02-4194	O6-C03-4158
			O4-A03-4080	O5-B03-3995	O6-C04-4167
			O4-A04-4128	O5-B04-4013	O6-C05-4184
			O4-A05-4012	O5-B05-4110	O6-C06-4225
			O4-A06-4025	O5-B06-4058	O6-C07-4168
			O4-A07-4015	O5-B07-4129	O6-C01-3950
			O4-A08-4178	O5-B08-4169	
19:00 - 21:00	13:00 - 15:00	6:00 - 8:00	<b>Oral O7-A: Large-scale refrigeration and liquefaction II</b> Session chairs: Peter Knudsen, Zhengrong Ouyang Location: Lecture Room A	<b>Oral O8-B: Cryogenic components, systems, facilities, and testing I</b> Session chairs: Alexey Koveshnikov, Xiujuan Xie Location: Lecture Room B	<b>Oral O9-C: Cryocoolers II</b> Session chairs: Jianying Hu, Bo Wang Location: Lecture Room C
			O7-A01-4211	O8-B01-4011	O9-C01-3994
			O7-A02-4077	O8-B02-4107	O9-C02-4002
			O7-A03-4086	O8-B03-4203	O9-C03-3947
			O7-A04-4131	O8-B04-4227	O9-C04-3975
			O7-A05-4079	O8-B05-4089	O9-C05-3977
	O7-A06-3989	O8-B06-4088	O9-C06-4061		
21:00 - 22:30	15:00 - 16:30	8:00 - 9:30	<b>Location: Exhibition Hall A</b> Session chair: Shaolong Zhu	<b>Location: Exhibition Hall B</b> Session chair: Qie Shen	
			<b>Poster P6-A: Large-scale refrigeration and liquefaction II</b>	<b>Poster P8-B: Cryogenic components, systems, facilities, and testing II</b>	
			P6-A01-3922	P8-B01-3913	
			P6-A02-3948	P8-B02-3934	
			P6-A03-4035	P8-B03-4037	
			P6-A04-4050	P8-B04-4065	
			P6-A05-4090	P8-B05-4067	
			P6-A06-4091	P8-B06-4069	
			P6-A07-4139	P8-B07-4092	
			P6-A08-4174	P8-B08-4152	
			<b>Poster P7-A: Cryocoolers II</b>	P8-B21-4245	
			P7-A09-4026	<b>Poster P9-B: Mechanical and thermal properties of cryogenic materials</b>	
			P7-A10-4032	P9-B09-3928	
			P7-A11-4038	P9-B10-3967	
			P7-A12-4056	P9-B11-4057	
			P7-A13-4084	P9-B12-4062	
			P7-A14-4093	P9-B13-4108	
			P7-A15-4098	P9-B14-4142	
P7-A16-4100	<b>Poster P10-B: Cryogenics for superconducting materials, devices and systems</b>				
P7-A17-4115	P10-B15-4007				
P7-A18-4122	P10-B16-4101				
P7-A19-4124	P10-B17-4125				
P7-A20-4187	P10-B18-4146				
	P10-B19-4150				
	P10-B20-4217				

## 28 April (THU)

CST (China Standard Time) UTC+8	CEST (Central European Summer Time) UTC+2	CDT (Central Daylight Time) (UTC-5)	Event (Platform: YAOTAI)		
14:00 - 15:00	8:00 - 9:00	1:00 - 2:00	<b>Plenary 4:</b> <b>New Kelvin at Low Temperatures, by Dr. Bo Gao (TIPC-CAS)</b>  Session chair: Liye Xiao Location: Theatre Room		
15:00 - 17:40	9:00 - 11:40	2:00 - 4:40	<b>Oral O10-A: Large-scale refrigeration and liquefaction III</b> Session chairs: Tripti Sekhar Datta, Xilong Wang  Location: Lecture Room A	<b>Oral O11-B: Cryogenic components, systems, facilities, and testing II</b>  Session chairs: John Weisend II, Tianwei Lai Location: Lecture Room B	<b>Oral O12-C: Cryogenic heat transfer and thermal insulation III</b>  Session chairs: Laurent Taviani, Tao Jin Location: Lecture Room C
			O10-A01-4087	O11-B01-4235 (Invited, Klipping Award)	O12-C01-4190
			O10-A02-4220	O11-B02-4113	O12-C02-4191
			O10-A03-4138	O11-B03-3966	O12-C03-4074
			O10-A04-4029	O11-B04-4104	O12-C04-4005
			O10-A05-4216	O11-B05-4052	O12-C05-4126
			O10-A06-4099	O11-B06-4119	O12-C06-4071
			O10-A07-3974	O11-B07-4176	O12-C07-4114
O10-A08-4040	O11-B08-4055	O12-C08-4066			
19:00 - 21:00	13:00 - 15:00	6:00 - 8:00	<b>Oral O13-A: Cryogenic fuel and transportation</b>  Session chairs: Minoru Takeda, Yonglin Ju Location: Lecture Room A	<b>Oral O14-B: Thermal-physical properties of cryogenic fluids</b>  Session chairs: Hirotaka Nakai, Daming Sun Location: Lecture Room B	<b>Oral O15-C: Cryocoolers III</b>  Session chairs: John Pfothenhauer, Qiang Cao Location: Lecture Room C
			O13-A01-4009	O14-B01-3949	O15-C01-4034
			O13-A02-4075	O14-B02-3963	O15-C02-4111
			O13-A03-4163	O14-B03-4059	O15-C03-4132
			O13-A04-4020	O14-B04-4143	O15-C04-4043
			O13-A05-4137	O14-B05-4162	O15-C05-4195
	O14-B06-4175	O15-C05-4231			
21:00 - 22:30	15:00 - 16:30	8:00 - 9:30	<b>Location: Exhibition Hall A</b> Session chair: Hanying Jiang	<b>Location: Exhibition Hall B</b> Session chair: Jiale Huang	
			<b>Poster P11-A: Large-scale refrigeration and liquefaction III</b>	<b>Poster P13-B: Cryogenic components, systems, facilities, and testing III</b>	
			P11-A01-4046	P13-B01-3943	
			P11-A02-4147	P13-B02-3960	
			P11-A03-4154	P13-B03-3969	
			P11-A04-4156	P13-B04-4003	
			P11-A05-4181	P13-B05-4028	
			P11-A06-4200	P13-B06-4076	
			P11-A07-4201	P13-B07-4096	
			P11-A08-4219	P13-B08-4161	
			<b>Poster P12-A: Cryocoolers III</b>	<b>Poster P14-B: Cryogenic heat transfer and thermal insulation</b>	
			P12-A09-3914	P14-B09-4230	
			P12-A10-4105	P14-B10-3946	
			P12-A11-4123	P14-B11-3953	
			P12-A12-4127	P14-B12-3935	
			P12-A13-4134	P14-B13-3997	
			P12-A14-4159	<b>Poster P15-B: Superconducting materials and devices</b>	
			P12-A15-4170	P15-B14-4021	
			P12-A16-4171	P15-B15-4042	
			P12-A17-4188	P15-B16-4063	
			P12-A18-4213	P15-B17-4064	
P12-A19-4223	P15-B18-4094				
P12-A20-4228	P15-B19-4208				
P12-A21-4244	P15-B20-4242				

**29 April (FRI)**

<b>CST (China Standard Time) UTC+8</b>	<b>CEST (Central European Summer Time) UTC+2</b>	<b>CDT (Central Daylight Time) (UTC-5)</b>	<b>Event (Platform: YAOTAI)</b>		
14:00 - 15:00	8:00 - 9:00	1:00 - 2:00	<b>Plenary 5:</b> <b>A Look at Cryogenic and Superconducting Solutions for Electric Aircraft Propulsion, by Prof. Mike Sumption (The Ohio State University)</b>  Session chair: Yanwei Ma Location: Theatre Room		
15:00 - 17:40	9:00 - 11:40	2:00 - 4:40	<b>Oral O16-A: Cryogenic heat transfer and thermal insulation IV</b> Session chairs: Dimitri Delikaris, Haishan Cao  Location: Lecture Room A	<b>Oral O17-B: Cryogenic components, systems, facilities, and testing III</b> Session chairs: Holger Kollmus, Jianye Chen  Location: Lecture Room B	<b>Oral O18-C: Cryocoolers IV</b> Session chairs: Shaowei Zhu, Liubiao Chen  Location: Lecture Room C
			O16-A01-4207	O17-B01-4102	O18-C01-4197
			O16-A02-3923	O17-B02-3917	O18-C02-4014
			O16-A03-3972	O17-B03-3988	O18-C03-4155
			O16-A04-3945	O17-B04-4045	O18-C04-4047
			O16-A06-4049	O17-B05-4141	O18-C05-3942
			O16-A07-4173	O17-B06-4204	O18-C06-4070
			O16-A08-3956	O17-B07-4106	O18-C07-4073
	O17-B08-4229	O18-C08-4004			
19:00 - 20:40	13:00 - 14:40	6:00 - 7:40	<b>Oral O19-A: Cryogenic instrumentation and control</b> Session chairs: Andrew May, Jiuce Sun  Location: Lecture Room A	<b>Oral O20-B: Mechanical and thermal properties of cryogenic materials</b> Session chairs: Takanobu Kiss, Dongliang Wang  Location: Lecture Room B	
			O19-A01-4205	O20-B01-4116	
			O19-A03-4054	O20-B02-4206	
			O19-A04-4151	O20-B03-4224	
			O19-A05-4196	O20-B04-4226	
	O20-B05-4284				
20:40 - 22:10	14:40 - 16:10	7:40 - 9:10	<b>Location: Exhibition Hall A</b> Session chair: Kai Fang <b>Poster P16-A: Cryocoolers IV</b>	<b>Location: Exhibition Hall B</b> Session chair: Jingfeng Li <b>Poster P19-B: Thermal-physical properties of cryogenic fluids</b>	
			P16-A01-3926	P19-B01-3979	
			P16-A02-3927	P19-B02-4023	
			P16-A03-3938	P19-B03-4072	
			P16-A04-3958	P19-B04-4153	
				P19-B05-4160	
			P16-A05-3961	<b>Poster P20-B: Cryogenics for superconducting materials, devices and systems</b>	
			P16-A06-3962	P20-B06-3957	
			P16-A07-4097	P20-B07-3959	
			<b>Poster P17-A: Space cryogenics</b>	P20-B08-4068	
			P17-A08-3920	P20-B09-4179	
			P17-A09-4081	P20-B10-4193	
			P17-A10-4117	<b>Poster P21-B: Cryogenic fuel and transportation</b>	
			P17-A11-4130	P21-B11-3910	
			P17-A12-4165	P21-B12-3932	
			<b>Poster P18-A: Cryogenic heat transfer and thermal insulation</b>	P21-B13-3933	
			P18-A13-3931	P21-B14-3968	
			P18-A14-3970	P21-B15-4016	
			P18-A15-4018	<b>Poster P22-B: Cryogenic instrumentation and control</b>	
			P18-A16-4031	P22-B16-4051	
			P18-A17-4082	P22-B17-4140	
P18-A18-4085	P22-B18-4145				
P18-A19-4103	P22-B19-4164				
P18-A20-4210	P22-B20-4185				
P18-A21-4285	P22-B21-4033				
22:10 - 22:30	16:10 - 16:30	9:10 - 9:30	<b>Closing ceremony</b> Location: Theatre Room		