

SATURDAY, AUGUST 24, 2019										
13:00 - 16:00	Retirement Management Committee Meeting (MC)									
16:15 - 19:00	Retiring Science and Technology Council (STC)									
SUNDAY, AUGUST 25, 2019										
09:30 - 12:30	General Conference (GC)									
13:30 - 15:45	Incoming Science and Technology Council (STC)									
16:00 - 19:00	Executive Committee (EC)									
18:30 - 20:00	WELCOME RECEPTION - Room 517cd									
MONDAY, AUGUST 26, 2019										
09:00 - 09:30	OPENING CEREMONY - Room 517a									
09:30 - 10:00	PLENARY: GAÉTAN LANTAGNE AND CHRISTIAN BÉLANGER, HYDRO QUEBEC - Room 517a									
10:00 - 10:30	Coffee Break in Exhibit Hall									
Room #	518ab	518c	519a	519b	524a	524b	524c	520ad	520be	520cf
10:30 - 12:10	B1:TS-103 Thermodynamic and Transport Properties of Refrigerants (1)	D1:TS-104 Commercial Refrigeration and Supermarket Display Cabinets (1)	E2:TS-107 Heat Pump-Based Energy Recovery Systems (1)	A2:TS-100 Gas Liquefaction (1)	E1:TS-105 HVAC Optimal Control	E2:TS-106 Sorption Systems (Absorption, Adsorption) <b>KEYNOTE</b>	B1:TS-108 Aqua-Ammonia, Ammonia and CO2 in Refrigeration and Heat Pump Applications	WS-1.A Low-GP Refrigerant Workshop in conjunction with IEA HPT's new annex 54 for Heat Pumps for Low GWP Refrigerant (A)	B1:TS-102 Efficient Heat and Mass Transfer Processes (1)	B1:TS-101 Next Generation of Low-GWP Refrigerants (1)
12:10 - 13:40	Lunch Break - Exhibits									
13:40 - 17:00	Workshop: Heat Pump Integration in High-Performance Buildings at Concordia University. <b>Pre-registration required.</b>									
13:40 - 15:00	B1:TS-109 Flow Pattern & Visualization (1)	S:TS-115 Sustainable & High Performance Buildings - Miscellaneous	-	-	C2:TS-113 Food Engineering: Heat and Mass Transfer, Refrigeration Process, Design and Modelling (1)	E2:TS-114 Residential and Commercial Heat Pump Systems (1)	B2:TS-112 Refrigerating Equipment Dynamics and Controls (1)	WS-1.B Low-GP Refrigerant Workshop in conjunction with IEA HPT's new annex 54 for Heat Pumps for Low GWP Refrigerant (B)	B2:TS-110 Evaporators, Condensers and other Heat Exchangers: Design, Analysis and Performance (1)	B2:TS-111 Compressor Design, Analysis and Performance (1)
15:00 - 15:30	Coffee Break in Exhibit Hall									
15:30 - 17:10	B1:TS-119 Absorption and Adsorption Thermodynamic Processes (1)	D1:TS-121 Cold-Chain Conformity & Performance Certification <b>KEYNOTE</b>	-	A1:TS-116 Cryogenic Fluids	E1:TS-123 Air Conditioning - Miscellaneous (1)	E2:TS-124 Ground-Source Heat Pump Systems (1)	B1:TS-120 Performance of Vapor-Compression, Recompression and Absorption Refrigeration & Heat Pump Cycles (1)	B2:TS-122 Absorption, Adsorption and Ejector Systems (1)	B1:TS-118 Efficient Heat and Mass Transfer Processes (2)	B1:TS-117 Next Generation of Low-GWP Refrigerants (2) <b>KEYNOTE</b>
17:30 - 19:30	Working Group Meetings									
TUESDAY, AUGUST 27, 2019										
Room #	518ab	518c	519a	519b	524a	524b	524c	520ad	520be	520cf
08:30 - 10:10	D2:TS-205 Refrigerated Transport Miscellaneous (1)	C2:TS-208 Chilling and Freezing Preservation Applications (1)	D1:TS-204 Cold Energy Storage	A1:TS-209 Cryogenic Systems and Applications	E2:TS-207 Dessicant Heat Pumps <b>KEYNOTE</b>	E1:TS-206 Air Conditioning Equipment and Energy Efficiency Systems (1)	B1:TS-202 Performance of Vapor-Compression, Recompression and Absorption Refrigeration & Heat Pump Cycles (2)	WS-2.A Domestic Hot Water Heat Pumps (A)	B2:TS-203 Evaporators, Condensers and other Heat Exchangers: Design, Analysis and Performance (2)	B1:TS-201 Elasto- and magnetocaloric Refrigeration (1) <b>KEYNOTE</b>
10:10 - 10:40	Coffee Break in Exhibit Hall									
10:40 - 12:00	B1:TS-212 Absorption and Adsorption Thermodynamic Processes (2)	D1:TS-215 Commercial Refrigeration and Supermarket Display Cabinets (2)	S:TS-217 Components for Sustainable Buildings	A1:TS-215 Small-Scale Refrigeration (Cryocoolers) and Applications (1)	B2:TS-213 Energy Efficiency of Refrigerating Systems – TEWI – LCCP (1)	E2:TS-216 Industrial Heat Pumps (1)	B2:TS-214 Refrigerating Equipment Dynamics and Controls (2)	WS-2.B Domestic Hot Water Heat Pumps (B)	B2:TS-209 Evaporators, Condensers and other Heat Exchangers: Design, Analysis and Performance (3)	B1:TS-211 Efficient Heat and Mass Transfer Processes (3)

12:00 - 13:30	Lunch Break - Exhibits - Poster Session <i>Topics: Cryophysics &amp; Cryoengineering / Liquefaction &amp; Separation of Gases / Refrigerating Equipment / Food Science &amp; Engineering / Refrigerated Storage / Refrigerated Transport</i>									
13:30 - 15:10	<b>B1:TS-219</b>	<b>D2:TS-223</b>	<b>D1:TS-226</b>	<b>C2:TS-222</b>	<b>E1:TS-224</b>	<b>E2:TS-225</b>	<b>A1:TS-218</b>	-	<b>B2:TS-221</b>	<b>B2:TS-220</b>
	Thermodynamic and Transport Properties of Refrigerants (2)	Refrigerated Land, Air and Marine Transport (1)	Refrigeration Equipment	Carbon Footprint and Sustainability of Chilled Food <b>KEYNOTE</b>	Air Conditioning - Miscellaneous (2)	Ground-Source Heat Pump Systems (2)	Heat Transfer and Thermal Insulation	Acoustics of Heat Pumps (A)	Evaporators, Condensers and other Heat Exchangers: Design, Analysis and Performance (4)	Two-Phase Ejectors <b>KEYNOTE</b>
15:10 - 15:40	Coffee Break in Exhibit Hall									
15:40 - 17:00	<b>B1:TS-227</b>	-	<b>D1:TS-231</b>	-	<b>B2:TS-229</b>	<b>C2:TS-230</b>	<b>E2:TS-232</b>	<b>WS-3</b>	<b>B1:TS-233</b>	<b>B2:TS-228</b>
	Flow Pattern & Visualization (2)	-	Refrigerated Storage - Miscellaneous	-	Energy Efficiency of Refrigerating Systems – TEWI – LCCP (2)	Food Engineering: Heat and Mass Transfer, Refrigeration Process, Design and Modelling (2)	Heat Pumps, Energy Recovery - Miscellaneous (1)	Acoustics of Heat Pumps (B)	Efficient Heat and Mass Transfer Processes (4)	Compressor Design, Analysis and Performance (2)
17:30 - 19:30	Comission Meeting									
<b>WEDNESDAY, AUGUST 28, 2019</b>										
<b>Room #</b>	<b>518ab</b>	<b>518c</b>	<b>519a</b>	<b>519b</b>	<b>524a</b>	<b>524b</b>	<b>524c</b>	<b>520ad</b>	<b>520be</b>	<b>520cf</b>
08:30 - 10:10	<b>B1:TS-301</b>	-	<b>E2:TS-307</b>	<b>C2:TS-303</b>	<b>E2:TS-305</b>	<b>E1:TS-304</b>	<b>E2:TS-306</b>	<b>WS-4.A</b>	<b>B2:TS-302</b>	<b>B1:TS-300</b>
	Advanced Cooling Technologies (1)	-	Refrigerant Charge Reduction <b>KEYNOTE</b>	Food Quality Monitoring and Safety (1)	Industrial Heat Pumps (2)	Air Conditioning Equipment and Energy Efficiency Systems (2)	System Energy Efficiency Improvements	Industrial Heat Pumps IEA (A)	Evaporators, Condensers and other Heat Exchangers: Design, Analysis and Performance (5)	Special Applications of Refrigeration and Air-Conditioning Systems <b>KEYNOTE</b>
10:10 - 10:40	Coffee Break in Exhibit Hall									
10:40 - 12:00	-	<b>C2:TS-312</b>	<b>D1:TS-313</b>	-	<b>B2:TS-310</b>	<b>E2:TS-314</b>	<b>B1:TS-309</b>	<b>WS-4.B</b>	<b>B1:TS-308</b>	<b>B2:TS-311</b>
	-	Chilling and Freezing Preservation Applications (2)	Commercial Refrigeration and Supermarket Display Cabinets (3)	-	Energy Efficiency of Refrigerating Systems – TEWI – LCCP (3)	Heat Pumps, Energy Recovery - Miscellaneous (2)	Performance of Vapor-Compression, Recompression and Absorption Refrigeration & Heat Pump Cycles (3)	Industrial Heat Pumps IEA (B)	Efficient Heat and Mass Transfer Processes (5)	Refrigerating Equipment - Miscellaneous (1)
12:00 - 13:30	Lunch Break - Exhibits - Poster Session <i>Topics: Thermodynamics &amp; Transfer Processes</i>									
13:30 - 15:10	<b>B1:TS-317</b>	<b>D2:TS-320</b>	<b>E2:TS-325</b>	<b>C2:TS-324</b>	<b>E1:TS-322</b>	<b>E1:TS-321</b>	<b>B2:TS-319</b>	<b>B1:TS-318</b>	<b>B1:TS-315</b>	<b>B1:TS-316</b>
	Advanced Cooling Technologies (2)	Refrigerated Land, Air and Marine Transport (2)	Heat Pump-Based Energy Recovery Systems (2)	Food Thermal Properties & Losses <b>KEYNOTE</b>	Air Conditioning - Miscellaneous (3)	Using Renewable Energy in Air Conditioning <b>KEYNOTE</b>	Refrigerating Equipment Dynamics and Controls (3)	Properties of Lubricants & Refrigerant-Lubricant Blends	Efficient Heat and Mass Transfer Processes (6)	Next Generation of Low-GWP Refrigerants (3)
15:10 - 15:40	Coffee Break in Exhibit Hall									
15:40 - 17:00	<b>B1:TS-325</b>	-	<b>E1:TS-331</b>	<b>E2:TS-328</b>	-	<b>C2:TS-328</b>	<b>B2:TS-327</b>	<b>WS-5</b>	<b>B2:TS-330</b>	<b>B2:TS-326</b>
	Flow Pattern & Visualization (3)	-	HVAC&R Systems and Components	Sorption Refrigeration Systems (Absorption, Adsorption)	-	Food Engineering: Heat and Mass Transfer, Refrigeration Process, Design and Modelling (3)	Absorption, Adsorption and Ejector Systems (2)	Smart Energy Systems: an international opportunity	Evaporators, Condensers and other Heat Exchangers: Design, Analysis and Performance (6)	Compressor Design, Analysis and Performance (3)
17:00 - 19:30	<b>Student Networking Event - Room 524a</b>									

THURSDAY, AUGUST 29, 2019										
Room #	518ab	518c	519a	519b	524a	524b	524c	520ad	520be	520cf
	B1:TS-401	-	E2:TS-403	C1:TS-404	E2:TS-407	E1:TS-405	B1:TS-402	WS-6	B2:TS-403	B1:TS-400
08:30 - 10:10	Thermodynamic and Transport Properties of Refrigerants (3)	-	Solar Cooling & Solar-Assisted Heat Pump Systems	Cryopreservation of Cells and Tissues <b>KEYNOTE</b>	Heat Pumps, Energy Recovery - Miscellaneous (3)	Air Conditioning Equipment and Energy Efficiency Systems (3)	Thermodynamics & Transfer Processes - Miscellaneous (1)	Frisbee International	Refrigeration Equipment - Miscellaneous (2)	Next Generation of Low-GWP Refrigerants (4) <b>KEYNOTE</b>
10:10 - 10:40	Coffee Break in Exhibit Hall									
	B1:TS-409	-	D1:TS-414	C2:TS-412	B2:TS-411	E2:TS-413	-	WS-7	B1:TS-408	B2:TS-410
10:40 - 12:00	Thermodynamic and Transport Properties of Refrigerants (4)	-	Commercial Refrigeration and Supermarket Display Cabinets (4)	Food Quality Monitoring and Safety (2)	Energy Efficiency of Refrigerating Systems – TEWI – LCCP (4)	Industrial Heat Pumps (3)	-	RA4Life: Low GWP Alternative Refrigerants for Cooling - Skills, Needs and Solutions	Efficient Heat and Mass Transfer Processes (7)	Evaporators, Condensers and other Heat Exchangers: Design, Analysis and Performance (7)
12:00 - 13:30	Lunch Break - Exhibits - Poster Session Topics: Air Conditioning / Heat Pumps, Energy Recovery / Sustainable And High Performance Buildings									
	B1:TS-419	B2:TS-420	-	A1:TS-418	E2:TS-421	E2:TS-422	B1:TS-416	WS-8	B1:TS-417	B1:TS-418
13:30 - 15:10	Flow Pattern & Visualization (4)	Absorption, Adsorption and Ejector Systems (3)	-	Small-Scale Refrigeration (Cryocoolers) and Applications (2)	Heat Pumps with Refrigerant Mixtures <b>KEYNOTE</b>	Residential and Commercial Heat Pump Systems (2)	Phase-change materials <b>KEYNOTE</b>	WATER-2E	Efficient Heat and Mass Transfer Processes (8)	Next Generation of Low-GWP Refrigerants (5)
15:10 - 15:40	Coffee Break in Exhibit Hall									
	B2:TS-423	C2:TS-426	D2:TS-427	-	-	E2:TS-428	-	B2:TS-425	B1:TS-429	B2:TS-424
15:40 - 17:00	Indirect Cooling Systems: Liquid and Phase-Change Secondary Refrigerants	Chilling and Freezing Preservation Applications (3)	Refrigerated Transport - Miscellaneous (2)	-	-	Sorption Heat Pump Systems (Absorption, Adsorption)	-	Refrigeration Equipment - Miscellaneous (3)	Efficient Heat and Mass Transfer Processes (9)	Compressor Design, Analysis and Performance (4)
18:30 - 22:30	Gala Dinner & Awards - Room 710									
FRIDAY, AUGUST 30, 2019										
Room #	518ab	518c	519a	519b	524a	524b	524c	520ad	520be	520cf
	B1:TS-503	D2:TS-506	-	A2:TS-500	E2:TS-508	E2:TS-507	B1:TS-504	B1:TS-505	B1:TS-501	B1:TS-502
08:30 - 10:10	Lubricants for Future Refrigerants & Measurement Techniques	Equipment for Refrigerated Transport	-	Gas Liquefaction (2)	Efficient Heat Pump and Refrigeration Systems	Industrial Heat Pumps (4) <b>KEYNOTE</b>	Refrigerant Charge Reduction & Leaks Control	Thermodynamics & Transfer Processes - Miscellaneous (2)	Elasto- and magnetocaloric Refrigeration (2) <b>KEYNOTE</b>	Next Generation of Low-GWP Refrigerants (6)
10:10 - 10:40	Coffee Break in Exhibit Hall									
	B1:TS-510	C1:TS-512	S:TS-515	A1:TS-517	C2:TS-513	E2:TS-514	B1:TS-509	WS-9	B2:TS-516	B2:TS-511
10:40 - 12:00	Thermodynamic and Transport Properties of Refrigerants (5)	Cryomedicine – Cryosurgery and Cryotherapy/Cryostimulation	Data Centers and Low Energy Buildings	Small-Scale Refrigeration (Cryocoolers) and Applications (3)	Food Engineering: Heat and Mass Transfer, Refrigeration Process, Design and Modelling (4)	Industrial Heat Pumps (5)	Refrigerant Pressure Drop	Cryohub	Evaporators, Condensers and other Heat Exchangers: Design, Analysis and Performance (8)	Energy Efficiency of Refrigerating Systems – TEWI – LCCP (5)
12:00 - 12:30	Closing Ceremony - Room 518b									
13:30 - 15:00	Incoming Management Committee Meeting									