

Time	Technical Sessions			
	Session W1	Session W2	Session W3	Session W4
08:00	<b>Registration</b> (open 08:00 - 10:00) Location: The lobby at the Conference Centre			
09:00	<b>Secondary Refrigerants and Slurries 1 - in Room 104</b> GENERAL PROPERTIES AND CHARACTERISTICS OF AQUEOUS SOLUTIONS USED IN INDIRECT SYSTEMS (SEC 01 - W1-01) A. MELINDER	<b>Safety Issues - in Room 105</b> PROBABILITY IN RISK ASSESSMENT FOR AMMONIA REFRIGERATION(SAF 01 - W2-01) ANDERS LINDBORG	<b>Refrigerant Combinations and Novel Fluids 1 - in Room S-1</b> ENERGY SAVING POTENTIAL OF CONTROLLED REFRIGERANT PUMPS IN CQ/R404A-CASCADE SYSTEMS (REF 01 - W3-01) B. D. RASMUSSEN, A. C. PACHAI	<b>CO<sub>2</sub> Scientific 7 - in Room 101+102</b> AIR REVERSING R744 AIR CONDITIONING SYSTEM(CDS 25 - W4-01) A.HAFNER; D.J. GARSKI; J. MANZIONE
09:25	ICE SLURRY AT -35°C : ENERGY EFFICIENCY AND COMPARISON WITH OTHER REFRIGERATING SYSTEMS (SEC 02 - W1-02) B. BALLOT-MIGUET, A. LAFARGUE, W. RACHED	RISK ANALYSIS OF FLAMMABLE REFRIGERANTS PART 1: CORRELATIONS FOR CONCENTRATIONS FROM LEAKS (SAF 02 - W2-02) D. COLBOURNE, K. O. SUEN	<del>EXPERIMENTAL INVESTIGATION OF A CASCADE CYCLE OPERATING WITH R744-R744A MIXTURE AS LOW TEMPERATURE FLUID(REF 02 - W3-02)</del> F. POLONARA, G. DI STUVO, G. SAMPORI, R. GEMELLI	PERFORMANCE COMPARISON OF TRANSCRITICAL CO <sub>2</sub> SINGLE COMPRESSION AND TWO STAGE COMPRESSION CYCLE WITH INTERCOOLER (CDS 26 - W4-02) WANG HONGLI, MA YITAI, LI MINXIA, ZHAOLEI
09:50	INFLUENCE OF SURFACTANTS ON CO <sub>2</sub> HYDRATE SLURRY FORMATION (SEC 03 - W1-03) A. DELAHAYE, L. FOURNAISON, M. C. MARTINEZ, A. FAUCOMPRE	RISK ANALYSIS OF FLAMMABLE REFRIGERANTS, PART 2: METHODOLOGY FOR CALCULATION OF RISK FREQUENCIES AND FLAMMABLE QUANTITIES(SAF 03 - W2-03) D COLBOURNE, K O SUEN	CASCADE REFRIGERATION SYSTEM EMPLOYING NH <sub>3</sub> AND CO <sub>2</sub> : OPERATING EXPERIENCES FROM A FOOD PROCESSING PLANT(REF 03 - W3-03) S. JENSEN, M. SKRLIN	REFRIGERATION SYSTEMS FOR HOT CLIMATES USING CO <sub>2</sub> AS THE WORKING FLUID (CDS 27 - W4-03) E. FORNASIERI, S. GIROTTI, S. MINETTO
10:15	<del>HEAT TRANSFER OF TRAB SLURRY IN HORIZONTAL TUBE (SEC 04 - W1-04)</del> <del>WENJI SONG, BUI XIAO, CHONG HUANG, SHIHUI HE, KAIJUN DONG, ZHONG FENG</del>	RISK ANALYSIS OF FLAMMABLE REFRIGERANTS PART 3: A SIMPLIFIED METHOD FOR ESTIMATING THE RISK (SAF 04 - W2-04) D. COLBOURNE, K. O. SUEN	DEVELOPMENT OF COMPACT INVERTER REFRIGERATING SYSTEM USING R600a/ CO <sub>2</sub> BY "THERMO SIPHON" (REF 04 - W3-04) S. KAGA, T. NOMURA, K. SEKI, A. HIRANO	OPERATING CHARACTERISTICS OF CO <sub>2</sub> CHILLER CYCLES WITH EXPANDER-COMPRESSOR UNIT (CDS 28 - W4-04) H. KOHSOKABE, S. FUNAKOSHI, K. TOJO, S. NAKAYAMA, K. KOHNO, K. KURASHIGE
10:40	<b>Coffee Break</b>			
11:00	<b>Secondary Refrigerants and Slurries 2 - in Room 104</b> THERMO PHYSICAL AND FLOW PROPERTIES OF CO <sub>2</sub> HYDRATE SLURRY (SEC 05 - W1-05) J. HU, O. SARI, S. EICHER, P. HOMSY	<b>General Knowledge 2 - in Room 105</b> INFLUENCE OF REFRIGERANT PROPERTIES ON COMPRESSOR EFFICIENCY(GEN 05 - W2-05) R. PRAPAINOP, K O SUEN, D COLBOURNE	<b>General Knowledge 4 - in Room S-1</b> <b>Refrigerant Combinations and Novel Fluids 2 - in Room S-1</b> INFLUENCE OF SURFACE CAVITIES ON POOL BOILING HEAT TRANSFER(GEN 11 - W3-05) A. LUKE	<b>CO<sub>2</sub> Scientific 8 - in Room 101+102</b> CO <sub>2</sub> EXPERIENCES IN NORTH AMERICAN SUPERMARKETS(CDS 29 - W4-05) D. HINDE, S. ZHA, L. LAN
11:25	PARAFFIN O/W EMULSION FOR COLD STORAGE AND DISTRIBUTION APPLICATIONS (SEC 06 - W1-06) LI HUANG, CLEMENS POLLERBERG, CHRISTIAN DOETSCH	ENVIRONMENTAL IMPACT OF VARIOUS ALTERNATIVE SUPERMARKET REFRIGERATION SYSTEMS (GEN 06 - W2-06) MICHAEL KAUFFELD, M., J. HARNISCH, J.-M. RHIEMEIER	CALORIMETER FOR MEASURING THE ISOBARIC SPECIFIC HEAT CAPACITY OF NATURAL REFRIGERANTS (GEN 12 - W3-06) K. TANAKA, G. TAKAHASHI, A. KITAYAMA and Y. HIGASHI	CARBON DIOXIDE FOR SUPERMARKETS USING LOW TEMPERATURE HEAT SINKS - A CASE STUDY (CDS 30 - W4-06) I. COLOMBO, A. BUTLER, G. GEBRAIL, I. CHAER, J. MISSENDEN, G. MAIDMENT
11:50	THERMO-PHYSICAL AND FLOW PROPERTIES OF ICE SLURRY (SEC 07 - W1-07) O. SARI, J. HU, S. EICHER, T. MARTIN	HEAT EXCHANGER AREA RATIO MODELS FOR REFRIGERANT COMPARISON(GEN 07 - W2-07) R. PRAPAINOP, K. O. SUEN, D. COLBOURNE	PROPATH - A PROGRAM PACKAGE FOR THERMOPHYSICAL PROPERTIES OF FLUID (REF 05 - W3-04) R. AKASAKA, S. MOMOKI, T. YAMAGUCHI, Y. TAKATA	TRANSCRITICAL CO <sub>2</sub> SYSTEM IN A SMALL SUPERMARKET (CDS 31 - W4-07) K. B. MADSEN
12:15	<del>ON THE SUITABILITY OF CARBON DIOXIDE AS SECONDARY FLUID IN NATURAL CIRCULATION LOOPS (SEC 08 - W1-08)</del> <del>K. KIRAN KUMAR, M. RAM GOPAL</del>	R-744 COMPARED TO R-290 IN SMALL FREEZER APPLICATIONS(GEN 08 - W2-08) M. v. BEEK, M. JANSSEN	THE DEVELOPMENT OF A QUASI-AZEOTROPIC REFRIGERANT FOR COMMERCIAL POINT-OF-SALE REFRIGERATION AND VEHICLE AIR CONDITIONING(REF 06 - W3-08) N. COX , V. MAZUR, D. COLBOURNE	DEVELOPMENT OF AN R744 REFRIGERATION CASSETTE FOR BEVERAGE COOLERS (CDS 32 - W4-08) A. J. P. ZIMMERMANN, G.C. WEBER, J B MARCINCHEN
12:40	<b>Lunch</b>			
12:45	12:45 - 13:10 REFRIGERANT SYSTEM SAFETY in room 105 IIR Working Party Barinstorming			
13:45	<b>Secondary Refrigerants and Slurries 3 - in Room 104</b> EXPERIMENTAL COMPARISON OF FOUR BOREHOLE HEAT EXCHANGERS(SEC 09 - W1-09) J. ACUÑA, B. PALM	<b>General Knowledge 3 - in Room 105</b> HEAT TRANSFER MEASUREMENTS OF R134a AND PROPANE BOILING ON EVAPORATOR TUBES WITH PLAIN AND ENHANCED FINNED TUBES(GEN 09 - W2-09) A. LUKE, O. KRUCK	<b>Refrigerant Combinations and Novel Fluids 3 - in Room S-1</b> PERFORMANCE OF A LOW-GWP NEAR-AZEOTROPIC ALTERNATIVE TO R-410A(REF 07 - W3-09) D. COLBOURNE, N. COX, K. O. SUEN, V. MAZUR	<b>CO<sub>2</sub> Scientific 9 - in Room 101+102</b> EVALUATION OF DEFROST OPTIONS FOR SECONDARY COOLANTS IN MULTI-TEMPERATURE INDIRECT TRANSPORT REFRIGERATION PART I: EXPERIMENTAL RESULTS (CDS 33 - W4-09) D.P. FINN, A. CABELLO-PORTOLES, S. SMYTH
14:10	LOW CHARGE AND LOW EMISSION SUPERMARKET REFRIGERATION SYSTEMS(SEC 10 - W1-10) V. MINEA	<del>THEORETICAL STUDY OF A NEW ECO-REFRIGERANT PROPOSAL - R404A &amp; DIMETHYLETHER BLEND (GEN 10 - W2-10)</del> <del>S. POPESCU, V. BUDISTIU, H. POP, S. POPESCU</del>	PARAMETRIC STUDIES ON AMMONIA-WATER COMPRESSION-ABSORPTION REFRIGERATION SYSTEM (REF 08 - W3-10) R. S. AGARWAL, A. K. PRATHIAR, S. C. KAUSHIK	ADVANCED MODELLING OF LIQUID OVERFEED EVAPORATORS(CDS 34 - W4-10) C. OLIET, C.D. PÉREZ-SEGARRA, S. MORALES, A. OLIVA (JOAQUIM RIGOLA)
14:35	<b>Coffee Break</b>			
14:55	<b>Closing Session - in Room S-1</b>			
16:00	<b>End of Conference</b>			