

Papers (DRAFT AS OF MAY 28)

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ID	TITLE	PRESENTER	ORGANIZATION	COUNTRY
1121	Fast Evaluation of Refrigerant Thermophysical Properties Using Neural Networks for Transient Simulations	Ma, Jiacheng	Modelon Inc.	USA
1122	Impact of Transport Properties of Isopropanol/Acetone on the Performance of Electrochemical Looping Heat Pumps	Dai, Chaoran	Purdue Univ	USA
1123	Experimental Study on Micro-Channel Condenser with Header- Orifice Liquid-Vapor Separator in Domestic Refrigerators	Xu, Shijie	Xi'an Jiaotong Univ	China
1124	Consideration and Evaluation of the Velocity Slip for Improved Prediction of the Refrigerant Charge	Rudzik, Tim	TU Dresden	Germany
1125	Modeling of Thermophysical Properties of Refrigerants Using Neural Networks for Improving Heat Pump Optimization	Dawoud, Maged	KU Leuven	Belgium
1126	Speed of Sound Measurement of R1132(E) in the Liquid Phase Using an Ultrasonic-Pulse Sensor	Nishihashi, Kanako	National Inst of Advanced Industrial Science & Tech	Japan
1127	Foaming Characteristics of Refrigeration Oil Mixed with R454B, R32, and R1234yf Refrigerants by Stirring Action	Rakpakdee, Wannarat	Shizuoka Univ	Japan
1128	Experimental Validation of Thermo-mechanical Properties for Novel Elastocaloric Material	Mevada, Het	Univ of Maryland	USA
1129	Heat Transfer and Visual Observation of Pool Boiling of Next- Generation Low-Pressure Refrigerant: R1336mzz(Z)	Yang, Cheng-Min	Oak Ridge Natl Lab	USA
1130	Potentials of Absorption Thermal Energy Storage Systems in Seasonal Application	Höffner, Dorian	Technische Universität Berlin	Germany
1131	Experimental Analysis of Local Heat Transfer Distribution of Low-GWP Refrigerant in a Plate Heat Exchanger	Diaw, Saide	Saga University	Japan
1133	Evaluation of R-1132(E)/R-32 Mixtures: pVT Properties, Critical Parameters and Binary Interaction Parameters	Thu, Kyaw	Kyushu University	Japan
1134	Development of Evaluation Method of Self-Decomposition Reactions of Next-Generation Refrigerants 1st Report: Development of Ignition Method	Higashi, Tomohiro	Central Research Inst of Electric Power Industry	Japan
1138	Application of Zeotropic Refrigerants in Large Chillers	Low, Robert Elliott	Orbia F&EM	UK
1139	Flow Boiling Heat Transfer Investigation of New Refrigerant Blends in a Minichannel	Azzolin, Marco	Univ of Padova	Italy
1140	Experimental Study on Boiling Heat Transfer and Flow Regime of R454C in Parallel Staggered-Finned Minichannels	Numata, Natsumi	Tokyo Univ of Marine Science & Tech	Japan
1141	Experimental Analysis on Condensation Heat Transfer of Propane and a Propane/CO2 Mixture in a Minichannel	Azzolin, Marco	Univ of Padova	Italy
1142	Experimental Study on Performance Comparison of R410A Saturated Flow Boiling in 3D Printed and Extruded Micro-Channels Tubes	Huang, Long	Xi'an Jiaotong- Liverpool University	China
1146	REFPROP Revision Control Method	Johnson, Phillip	Daikin Applied	USA
1147	Experimental Flow Boiling Heat Transfer Performance of R290/R600a 50%/50% and R134a/R290/R600a 40%/30%/30% in a Horizontal Helical Evaporation Coil	Ramathe, Teboho	Tshwane Univ of Tech	South Africa
1148	A Simple Model for Heat Transfer in Annular Two-Phase Flow	Lin, Lingnan	Univ of Maryland	USA

ID	TITLE	PRESENTER	ORGANIZATION	COUNTRY
1150	Performance of the Ground-Source Heat Pump System for Hot Water Supply with a Small Refrigerant Charge	Kamiyama, Shotaro	Tokyo Univ of Marine Science & Tech	Japan
1153	Feasibility Study on Ammonia Heat Pump System Using Electrochemical Compressor	Kim, Dongkyu	Chung-Ang Univ	USA
1157	Performance Evaluation of HFO-Based Ionic Liquid Pairs for Double-Effect Absorption Refrigeration Systems	Lee, Yong Gyun	Chung-Ang Univ	Korea
1163	Geometric Optimization of Sinusoidal Inserts for Improved Heat Transfer Rate	Poursadegh, Mehrdad	Univ of Nebraska-Lind	coln USA
1165	Performance of Low-GWP Zeotropic Refrigerants R454C and R455A in a Medium Temperature Display Case	Birbarah, Patrick	Honeywell Internatl	USA
1167	Wall Superheat at the Onset of Nucleate Boiling of Pure Refrigerants and Zeotropic Refrigerant Mixture	Asano, Hitoshi	Kobe University	Japan