

16th IIR-Gustav Lorentzen Conference on Natural Refrigerants



Program at a Glance (DRAFT)

SUNDAY, AUGUST 11

4:00 PM Registration | 4:00-7:00 PM
6:00 PM Welcome Reception | 6:00-8:00 PM

MONDAY, AUGUST 12

7:00 AM Registration | 7:00 AM-4:00 PM
7:30 AM Breakfast
8:00 AM Opening Ceremony
8:30 AM Plenary Speaker 1: Björn Palm, KTH
9:15 AM Plenary Speaker 2: Eric M. Smith, IIR
10:30 AM **A1: Refrigerants 1: CO₂/HC**
B1: Components-Heat Exchanger 1
C1: Components-Compressor 1
D1: Heat Transfer
12:00 N Lunch
1:00 PM **A2: Systems 1: CO₂**
B2: Components-Ejector
C2: Modeling 1
D2: Modeling 2
4:00 PM Excursions to Washington, DC

TUESDAY, AUGUST 13

7:00 AM Registration | 7:00 AM-4:00 PM
7:30 AM Breakfast
8:30 AM Plenary Speaker 3: Hannes Fugmann,
Fraunhofer Institute for Solar Energy Systems
9:15 AM Plenary Speaker 4 : Zahid Ayub, Isotherm
10:30 AM **A3: Refrigerants 2: HCs**
B3: Components-Heat Exchanger 2
C3: Components-Compressor 2
D3: Not-In-Kind 1
12:00 N Lunch
1:00 PM **A4: Systems 2: HCs**
B4: Components-Heat Exchanger 3
C4: Modeling 3
D4: Refrigerant Safety
3:30 PM **A5: Systems 3: Natural Refrigerants**
B5: Systems 4: HTHP 1
**C5: Workshop: Decarbonization through adapting
low-GWP refrigerants**
D5: Thermal Management & CFD Analysis
6:00 PM Conference Banquet | 6:00-9:00 PM

WEDNESDAY, AUGUST 14

7:30 AM Breakfast
8:00 AM **A6: Systems 5: District Heating**
B6: Systems 6: HTHP 2
C6: Field Testing
D6: Market Analysis
10:30 AM **A7: Systems 7: Transport**
B7: Measuring Methods
C7: Operations & Controls
D7: Not-In-Kind 2
12:00 N Lunch & Closing Ceremony
1:00 PM Lab Tours | 1:00-2:30 PM

Sessions at a Glance (DRAFT)



MONDAY, AUGUST 12

10:30 AM–12:00 NOON

A1: Refrigerants 1: CO2/HC

Chair: Chun-cheng Piao
ID 1106 ID 1107
ID 1108 ID 1197

B1: Components-Heat Exchanger 1

Chair: Lorenzo Cremaschi
ID 1178 ID 1201
ID 1288 ID 1149

C1: Components-Compressor 1

Chair: Baolong Wang
ID 1184 ID 1190
ID 1196 ID 1102

D1: Heat Transfer

Chair: Giovanni Longo
ID 1101 ID 1244
ID 1110 ID 1138

1:00–3:00 PM

A2: Systems 1: CO2

Chair: Amin Hafner
ID 1100 ID 1209
ID 1194 ID 1238
ID 1126 ID 1198

B2: Components-Ejector

Chair: Stefan Elbel
ID 1165 ID 1173
ID 1148 ID 1147
ID 1160 ID 1177

C2: Modeling 1

Chair: Vikrant Aute
ID 1187 ID 1215
ID 1128 ID 1280
ID 1168 ID 1127

D2: Modeling 2

Chair: Zhenning Li
ID 1193 ID 1217
ID 1298 ID 1260
ID 1182 ID 1206

TUESDAY, AUGUST 13

10:30 AM–12:00 NOON

A3: Refrigerants 2: HCs

Chair: Steve Kujak
ID 1297 ID 1156
ID 1157 ID 1105

B3: Components-Heat Exchanger 2

Chair: Akio Miyara
ID 1263 ID 1269
ID 1241 ID 1249

C3: Components-Compressor 2

Chair: Petter Neksa
ID 1183 ID 1218
ID 1292 ID 1286

D3: Not-In-Kind 1

Chair: Minsung Kim
ID 1306 ID 1302
ID 1273 ID 1204

1:00–3:00 PM

A4: Systems 2: HCs

Chair: Kashif Nawaz
ID 1203 ID 1236
ID 1131 ID 1130
ID 1192 ID 1155

B4: Components-Heat Exchanger 3

Chair: Rene Rieberer
ID 1214 ID 1222
ID 1221 ID 1250
ID 1248 ID 1242

C4: Modeling 3

Chair: Minsoo Kim
ID 1167 ID 1186
ID 1281 ID 1289
ID 1109 ID 1180

D4: Refrigerant Safety

Chair: Andy Pearson
ID 1285 ID 1239
ID 1207 ID 1287
ID 1141 ID 1119

3:30–5:30 PM

A5: Systems 3: Natural Refrigerants

Chair: Seontae Kim
ID 1129 ID 1150 ID 1307
ID 1303 ID 1188
ID 1114 ID 1124

B5: Systems 4: HTHP 1

Chair: Björn Palm
ID 1121 ID 1226
ID 1202 ID 1208
ID 1199 ID 1251

C5: Workshop: Decarbonization through adapting low-GWP refrigerants

Chair: Xudong Wang

D5: Thermal Management & CFD Analysis

Chair: Andy Pearson
ID 1246 ID 1103 ID 1293
ID 1235 ID 1185
ID 1139 ID 1109

WEDNESDAY, AUGUST 14

8:00–10:00 AM

A6: Systems 5: District Heating

Chair: Hatef Madani Larjani
ID 1172 ID 1166
ID 1142 ID 1256
ID 1152 ID 1111

B6: Systems 6: HTHP 2

Chair: Steven Lecompte
ID 1118 ID 1277
ID 1205 ID 1237
ID 1210 ID 1229

C6: Field Testing

Chair: Giovanni Cortella
ID 1176 ID 1225
ID 1175 ID 1195
ID 1170 ID 1163

D6: Market Analysis

Chair: Marco Azzolin
ID 1171 ID 1283
ID 1295 ID 1262
ID 1224 ID 1189

10:30 AM–12:00 NOON

A7: Systems 7: Transport

Chair: Tobias Sienel
ID 1294 ID 1233
ID 1159 ID 1153

B7: Measuring Methods

Chair: Phillip Johnson
ID 1162 ID 1140
ID 1123 ID 1247

C7: Operations & Controls

Chair: Jonas Kjær Jensen
ID 1232 ID 1117 ID 1300
ID 1151 ID 1181

D7: Not-In-Kind 2

Chair: Hirofumi Daijuji
ID 1174 ID 1291
ID 1164 ID 1113

1:00–2:30 PM

Lab Tours