

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Unique Challenges & Solutions for Climate Change in Cold & Arctic Communities

The ASHRAE Alaska Chapter warmly invites you to join us in Alaska in March 2023 for two amazing international conferences!

The first conference, the “ASHRAE and SCANVAC HVAC Cold Climate Conference 2023” is being co-organized by ASHRAE and SCANVAC and will be held in Anchorage from March 6-8th. For an additional registration fee, attendees can continue their arctic experience at the “Arctic Mini Conference”, in Fairbanks from March 9th-10th.

The goal of the conferences is for Built Environment engineers, practitioners, researchers, scientists, owners and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality and culture of Alaska.

The technical presentations will provide relevant and practical solutions to handle the challenges of today as well as tomorrow in the Changing Arctic. Our goal is to ensure all attendees leave the conference with new tools and ideas that they can implement in their designs and communities, as well as excitement and inspiration for solutions yet to come.

Come to network with professionals from across the Arctic and learn what other nations are doing in our industry to address these challenges. Now more than ever, it is important for the People of the Arctic to share current Best Practices and collaborate on innovative solutions.

Beyond the technical scope, we Alaskans are known for our hospitality, just as Alaska is known for its natural beauty. We’ve made this conference one that will be remembered for decades!

REGISTRATION IS NOW OPEN!

Dates and Locations:

March 6-8, 2023—Anchorage
March 9-10, 2023—Fairbanks

Conference Venues:

Anchorage:

Marriott Anchorage Downtown

Fairbanks:

Chena Hot Springs Resort

Visit the conference website for information on discounted conference room blocks. For BOTH Venues!

Travel Arrangements:

Visit the conference website for information on traveling to Alaska during the winter.

Conference Website:

ashrae.org/2023hvaccoldclimate

Flyer Contents:

HVACCC 2023 Conference	Page 2
Conference Topics	Page 3
Arctic Mini Conference	Page 4
Sponsorship Opportunities	Page 5
Conference Flyer	Page 8

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



HVACCC 2023—ANCHORAGE, ALASKA

A conference you'll remember for years to come!

Let's Rondy!

- The conference has been strategically scheduled to start immediately after Anchorage's annual winter festival, The Fur Rendezvous (<https://www.furrondy.net/>), and alongside the internationally known Iditarod Sled Dog Race. Most events are within a short walk of the conference hotel.
- An early reception site will be setup prior to the conference for early attendees to access information about "Fur Rondy" events including times and locations for group tours (hosted by our own Alaska ASHRAE chapter members!). You'll also get our conference guide to local restaurants and breweries, outdoor recreational activities, and fun activities around Anchorage.

Sunday Excursion

- Come face to face with Alaskan wildlife at the Alaska Wildlife Conservation Center and then take a tram up to the top of Alaska's premier ski resort, Alyeska, for lunch with an amazing view.

Welcome Reception

- The conference officially begins at the Welcome Reception, held at the Alaska Native Heritage Center where you'll learn about and experience Alaska Native culture including a traditional dance troupe.

Three Days of Technical Sessions:

- The conference in Anchorage will have three separate tracks of technical presentations each day. The presentations will be a mix of technical paper presentations and workshops led by industry leaders and governmental agencies. See the Call for Papers attachment for topics and abstract submission guidelines.
- The conference will be the preeminent Cold Climate HVAC educational learning opportunity of the year bringing together experts from across the Arctic to share their expertise.

And Much More!

- The conference committee is continuing to seek additional technical, educational, and entertainment experiences for the conference. Visit the conference website for updates!



Iditarod Sled Dog Race



Alyeska Ski Resort



Yupik Dancer at the Alaska Native Heritage Center

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Conference Session Topics

The conference Steering Committee has received a diverse selection of papers for the Anchorage Conference. Presentations and sessions at the conference will focus on, but not be limited to, the following range of topics and subtopics:

Innovation in Equipment and Application

- Impacts of Data Centers Bit Coin Mining on Cold Climates
- Industrial Energy and Resource Development
- Utilities and Infrastructure
- District Heating and Cooling
- Heat Pumps / Heat Recovery
- Biofuel
- Indoor Agriculture

Sustainability and Resiliency

- Smart Buildings
- Energy Conservation
- Thermal Storage
- Decarbonization
- Overheating / Climate Models
- Maintenance and Operations

Building Environments

- Indoor Environmental Quality
- Critical Environments / Airborne Virus Transmission / Cross Contamination
- Building Envelope
- Humidity Impacts on Building Envelope
- Occupant Comfort
- Residential, Commercial, Institutional, Manufacturing
- Healthcare, Assisted Living, Senior Residences, Elder Care Home, Senior Housing Retirement Homes
- Digitalization and Controls
- Unique Locations, Underground Spaces, Walkways, Shopping Centers



“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long lasting cold climate structures.”

- Erich Binder, Conference Chair

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



ARCTIC MINI CONFERENCE—FAIRBANKS, ALASKA

For an additional fee, conference attendees can register to attend an immersive experience to Fairbanks, Alaska the day after the conference.

Cold Climate Housing Research Center (CCHRC):

- Attendees will be bussed from the airport for a brief workshop, tour, and lunch at the CCHRC. CCHRC is a part of the National Renewable Energy Laboratory (NREL) and is a leading organization in research and testing of building technologies in cold climates.

Cold Regions Research and Engineering Laboratory Permafrost Research Tunnel:

- Walk 45,000 years into the past to view ice lenses and actual remains of animals and plants preserved by the cold. This is a unique experience, as visiting the tunnel requires special approval from the United States Army Corps of Engineers. Organizing committee member, Dr. Alexander Zhivov, has received initial clearance for this visit.

Chena Hot Springs Resort:

- After the tour of the tunnel, attendees will be bussed to the World-Famous Chena Hot Springs Resort.
- Enjoy a tour of their geothermal driven tri-generation system and Aurora Ice Museum. Relax that evening soaking in the natural hot springs. This location is known for its Aurora Borealis/Northern Lights shows in the winter.

Full Day of Technical Sessions:

- The next morning starts a full day of additional technical presentations held at the Resort. Sessions will include workshops and presentations focusing on design for extreme cold and remote climates, including newly added information in the upcoming second printings of the ASHRAE Cold Climate Design Guide and the ASHRAE Guide for Resilient Thermal Energy Systems Design in Cold and Arctic Climates. This part of the technical session will be supported by CCHRC, University of Alaska Fairbanks staff, and local engineering firms. At the end of that day, attendees can either travel home or continue their Alaskan adventures.



Cold Climate Housing Research Center



Permafrost Research Tunnel



Chena Hot Springs Resort

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



AN INVITATION TO SPONSOR

The conference organizers are pleased to offer several sponsorship opportunities to engage industry participation.

Sponsors will have their company logo, name on the event flyer, the conference web site and recognition during the conference both in Anchorage and Fairbanks. A summary of the specific benefits of each sponsorship level is provided below.

SPONSORSHIP LEVELS AND BENEFITS	GOLD	SILVER	ZINC	JADE	COPPER
	\$10,000	\$5,000	\$2,500	\$1,000	\$500
Number of Packages Available	Limited	Limited			
Recognition as Gold Sponsor in conference communications	Yes				
Complimentary Registration for Anchorage**	5	3	2	1	
Reception Sponsor – Logo on Reception Signage Boards and leave behinds. (Includes light hors d'oeuvres & one drink ticket)	Yes				
Breakfast Sponsor – Logo on Breakfast Signage Board and leave behinds on chairs		Yes			
Lunch Sponsor – Logo on Lunch Signage Board and leave behinds on chairs	Yes				
Morning or Afternoon Break – Logo on Signage during break			Yes		
Logo on Conference program and website	Yes	Yes	Yes	Yes	Yes
One Time use of Opt-in Conference Attendee Mailing List	Yes	Yes	Yes	Yes	Yes
Information Table***	Yes	Yes	Yes	Yes	

** Conference registration includes light breakfasts, lunches, welcome reception and conference banquet.

***Information Table: One six-foot table and two chairs in foyer of conference meeting area. Sponsor can display information about their company and/or products, as well as have time to interact with conference attendees. Tables are limited in quantity, location prioritized by sponsor level.

For additional sponsorship opportunities and options please email Staci Loeffler at sloeffler@ashrae.org



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Sponsorship Agreement Form

Are you interested in sponsoring the 2023 HVACCC Conference? If so, please complete and sign this form and return by email to Staci Loeffler at sloeffler@ashrae.org.

All sponsors: please send your company logo (300 dpi, either eps, jpeg or tif file) via email to Staci.

Sponsoring Company Name (as you would like it displayed):

Company Contact: _____

Address: _____

City, State, Zip: _____

Country: _____

Phone: _____ Email: _____

Sponsorship Level

I/we agree to sponsor the 2023 HVAC Cold Climate Conference

GOLD (\$10,000)

SILVER (\$5,000)

ZINC (\$2,500)

JADE (\$1,000)

COPPER (\$500)

I/we would like the sponsorship to be designated towards events occurring in

Cold Climate Conference, Anchorage, Alaska

Arctic Mini Conference, Fairbanks, Alaska

Wherever most needed

(Note that Sponsor Recognition occurs at BOTH venues regardless of designation)

By his/her signature below, the individual signing this contract represents and warrants that he/she is duly authorized to execute this binding contract on behalf of the named sponsor.

Signature: _____ Date: _____



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Payment Due Date

Full payment of sponsorship is due with signed agreement. Please see the next page for information regarding payment for this sponsorship.

Payment Method

Credit Card:

- Visa
- MasterCard
- American Express
- Diners Club

Check:

Make checks payable to 'ASHRAE'
180 Technology Parkway Peachtree Corners, GA 30092

Card Number:

Expiration Date:

Cardholders Signature

Please contact Staci Loeffler at sloeffler@ashrae.org or 678-539-1165 if you have any questions.

ASHRAE AND SCANVAC HVAC COLD CLIMATE CONFERENCE 2023



Anchorage, Alaska
March 6-8
Marriott Anchorage Downtown

A separate Arctic Mini Conference will take place following the Cold Climate Conference. For an additional fee, conference attendees can register to attend this immersive experience in Fairbanks, Alaska, March 9-10, which will include technical tours and presentations.

The HVAC Cold Climate Conference 2023, co-organized by ASHRAE and SCANVAC, will enable engineers, consultants, contractors and building owners to develop and implement design strategies and operating solutions that can be successfully applied in cold climates.



For more information, visit ashrae.org/coldclimates2023

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Unique Challenges & Solutions for Climate Change in Cold & Arctic Communities

The ASHRAE Alaska Chapter warmly invites you to join us in Alaska in March 2023 for two amazing international conferences!

The first conference, the “ASHRAE and SCANVAC HVAC Cold Climate Conference 2023” is being co-organized by ASHRAE and SCANVAC and will be held in Anchorage from March 6-8th. For an additional registration fee, attendees can continue their arctic experience at the “Arctic Mini Conference”, in Fairbanks from March 9th-10th.

The goal of the conferences is for Built Environment engineers, practitioners, researchers, scientists, owners and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality and culture of Alaska.

The technical presentations will provide relevant and practical solutions to handle the challenges of today as well as tomorrow in the Changing Arctic. Our goal is to ensure all attendees leave the conference with new tools and ideas that they can implement in their designs and communities, as well as excitement and inspiration for solutions yet to come.

Come to network with professionals from across the Arctic and learn what other nations are doing in our industry to address these challenges. Now more than ever, it is important for the People of the Arctic to share current Best Practices and collaborate on innovative solutions.

Beyond the technical scope, we Alaskans are known for our hospitality, just as Alaska is known for its natural beauty. We’ve made this conference one that will be remembered for decades!

REGISTRATION IS NOW OPEN!

Dates and Locations:

March 6-8, 2023—Anchorage
March 9-10, 2023—Fairbanks

Conference Venues:

Anchorage:

Marriott Anchorage Downtown

Fairbanks:

Chena Hot Springs Resort

Visit the conference website for information on discounted conference room blocks. For BOTH Venues!

Travel Arrangements:

Visit the conference website for information on traveling to Alaska during the winter.

Conference Website:

ashrae.org/2023hvaccoldclimate

Flyer Contents:

HVACCC 2023 Conference	Page 2
Conference Topics	Page 3
Arctic Mini Conference	Page 4
Sponsorship Opportunities	Page 5
Conference Flyer	Page 8

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



HVACCC 2023—ANCHORAGE, ALASKA

A conference you'll remember for years to come!

Let's Rondy!

- The conference has been strategically scheduled to start immediately after Anchorage's annual winter festival, The Fur Rendezvous (<https://www.furrondy.net/>), and alongside the internationally known Iditarod Sled Dog Race. Most events are within a short walk of the conference hotel.
- An early reception site will be setup prior to the conference for early attendees to access information about "Fur Rondy" events including times and locations for group tours (hosted by our own Alaska ASHRAE chapter members!). You'll also get our conference guide to local restaurants and breweries, outdoor recreational activities, and fun activities around Anchorage.

Sunday Excursion

- Come face to face with Alaskan wildlife at the Alaska Wildlife Conservation Center and then take a tram up to the top of Alaska's premier ski resort, Alyeska, for lunch with an amazing view.

Welcome Reception

- The conference officially begins at the Welcome Reception, held at the Alaska Native Heritage Center where you'll learn about and experience Alaska Native culture including a traditional dance troupe.

Three Days of Technical Sessions:

- The conference in Anchorage will have three separate tracks of technical presentations each day. The presentations will be a mix of technical paper presentations and workshops led by industry leaders and governmental agencies. See the Call for Papers attachment for topics and abstract submission guidelines.
- The conference will be the preeminent Cold Climate HVAC educational learning opportunity of the year bringing together experts from across the Arctic to share their expertise.

And Much More!

- The conference committee is continuing to seek additional technical, educational, and entertainment experiences for the conference. Visit the conference website for updates!



Iditarod Sled Dog Race



Alyeska Ski Resort



Yupik Dancer at the Alaska Native Heritage Center

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Conference Session Topics

The conference Steering Committee has received a diverse selection of papers for the Anchorage Conference. Presentations and sessions at the conference will focus on, but not be limited too, the following range of topics and subtopics:

Innovation in Equipment and Application

- Impacts of Data Centers Bit Coin Mining on Cold Climates
- Industrial Energy and Resource Development
- Utilities and Infrastructure
- District Heating and Cooling
- Heat Pumps / Heat Recovery
- Biofuel
- Indoor Agriculture

Sustainability and Resiliency

- Smart Buildings
- Energy Conservation
- Thermal Storage
- Decarbonization
- Overheating / Climate Models
- Maintenance and Operations

Building Environments

- Indoor Environmental Quality
- Critical Environments / Airborne Virus Transmission / Cross Contamination
- Building Envelope
- Humidity Impacts on Building Envelope
- Occupant Comfort
- Residential, Commercial, Institutional, Manufacturing
- Healthcare, Assisted Living, Senior Residences, Elder Care Home, Senior Housing Retirement Homes
- Digitalization and Controls
- Unique Locations, Underground Spaces, Walkways, Shopping Centers



“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long lasting cold climate structures.”

- Erich Binder, Conference Chair

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



ARCTIC MINI CONFERENCE—FAIRBANKS, ALASKA

For an additional fee, conference attendees can register to attend an immersive experience to Fairbanks, Alaska the day after the conference.

Cold Climate Housing Research Center (CCHRC):

- Attendees will be bussed from the airport for a brief workshop, tour, and lunch at the CCHRC. CCHRC is a part of the National Renewable Energy Laboratory (NREL) and is a leading organization in research and testing of building technologies in cold climates.

Cold Regions Research and Engineering Laboratory Permafrost Research Tunnel:

- Walk 45,000 years into the past to view ice lenses and actual remains of animals and plants preserved by the cold. This is a unique experience, as visiting the tunnel requires special approval from the United States Army Corps of Engineers. Organizing committee member, Dr. Alexander Zhivov, has received initial clearance for this visit.

Chena Hot Springs Resort:

- After the tour of the tunnel, attendees will be bussed to the World-Famous Chena Hot Springs Resort.
- Enjoy a tour of their geothermal driven tri-generation system and Aurora Ice Museum. Relax that evening soaking in the natural hot springs. This location is known for its Aurora Borealis/Northern Lights shows in the winter.

Full Day of Technical Sessions:

- The next morning starts a full day of additional technical presentations held at the Resort. Sessions will include workshops and presentations focusing on design for extreme cold and remote climates, including newly added information in the upcoming second printings of the ASHRAE Cold Climate Design Guide and the ASHRAE Guide for Resilient Thermal Energy Systems Design in Cold and Arctic Climates. This part of the technical session will be supported by CCHRC, University of Alaska Fairbanks staff, and local engineering firms. At the end of that day, attendees can either travel home or continue their Alaskan adventures.



Cold Climate Housing Research Center



Permafrost Research Tunnel



Chena Hot Springs Resort

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



AN INVITATION TO SPONSOR

The conference organizers are pleased to offer several sponsorship opportunities to engage industry participation.

Sponsors will have their company logo, name on the event flyer, the conference web site and recognition during the conference both in Anchorage and Fairbanks. A summary of the specific benefits of each sponsorship level is provided below.

SPONSORSHIP LEVELS AND BENEFITS	GOLD	SILVER	ZINC	JADE	COPPER
	\$10,000	\$5,000	\$2,500	\$1,000	\$500
Number of Packages Available	Limited	Limited			
Recognition as Gold Sponsor in conference communications	Yes				
Complimentary Registration for Anchorage**	5	3	2	1	
Reception Sponsor – Logo on Reception Signage Boards and leave behinds. (Includes light hors d'oeuvres & one drink ticket)	Yes				
Breakfast Sponsor – Logo on Breakfast Signage Board and leave behinds on chairs		Yes			
Lunch Sponsor – Logo on Lunch Signage Board and leave behinds on chairs	Yes				
Morning or Afternoon Break – Logo on Signage during break			Yes		
Logo on Conference program and website	Yes	Yes	Yes	Yes	Yes
One Time use of Opt-in Conference Attendee Mailing List	Yes	Yes	Yes	Yes	Yes
Information Table***	Yes	Yes	Yes	Yes	

** Conference registration includes light breakfasts, lunches, welcome reception and conference banquet.

***Information Table: One six-foot table and two chairs in foyer of conference meeting area. Sponsor can display information about their company and/or products, as well as have time to interact with conference attendees. Tables are limited in quantity, location prioritized by sponsor level.

For additional sponsorship opportunities and options please email Staci Loeffler at sloeffler@ashrae.org



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Sponsorship Agreement Form

Are you interested in sponsoring the 2023 HVACCC Conference? If so, please complete and sign this form and return by email to Staci Loeffler at sloeffler@ashrae.org.

All sponsors: please send your company logo (300 dpi, either eps, jpeg or tif file) via email to Staci.

Sponsoring Company Name (as you would like it displayed):

Company Contact: _____

Address: _____

City, State, Zip: _____

Country: _____

Phone: _____ Email: _____

Sponsorship Level

I/we agree to sponsor the 2023 HVAC Cold Climate Conference

GOLD (\$10,000)

SILVER (\$5,000)

ZINC (\$2,500)

JADE (\$1,000)

COPPER (\$500)

I/we would like the sponsorship to be designated towards events occurring in

Cold Climate Conference, Anchorage, Alaska

Arctic Mini Conference, Fairbanks, Alaska

Wherever most needed

(Note that Sponsor Recognition occurs at BOTH venues regardless of designation)

By his/her signature below, the individual signing this contract represents and warrants that he/she is duly authorized to execute this binding contract on behalf of the named sponsor.

Signature: _____ Date: _____



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Payment Due Date

Full payment of sponsorship is due with signed agreement. Please see the next page for information regarding payment for this sponsorship.

Payment Method

Credit Card:

- Visa
- MasterCard
- American Express
- Diners Club

Check:

Make checks payable to 'ASHRAE'
180 Technology Parkway Peachtree Corners, GA 30092

Card Number:

Expiration Date:

Cardholders Signature

Please contact Staci Loeffler at sloeffler@ashrae.org or 678-539-1165 if you have any questions.

ASHRAE AND SCANVAC HVAC COLD CLIMATE CONFERENCE 2023



Anchorage, Alaska
March 6-8
Marriott Anchorage Downtown

A separate Arctic Mini Conference will take place following the Cold Climate Conference. For an additional fee, conference attendees can register to attend this immersive experience in Fairbanks, Alaska, March 9-10, which will include technical tours and presentations.

The HVAC Cold Climate Conference 2023, co-organized by ASHRAE and SCANVAC, will enable engineers, consultants, contractors and building owners to develop and implement design strategies and operating solutions that can be successfully applied in cold climates.



For more information, visit ashrae.org/coldclimates2023

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Unique Challenges & Solutions for Climate Change in Cold & Arctic Communities

The ASHRAE Alaska Chapter warmly invites you to join us in Alaska in March 2023 for two amazing international conferences!

The first conference, the “ASHRAE and SCANVAC HVAC Cold Climate Conference 2023” is being co-organized by ASHRAE and SCANVAC and will be held in Anchorage from March 6-8th. For an additional registration fee, attendees can continue their arctic experience at the “Arctic Mini Conference”, in Fairbanks from March 9th-10th.

The goal of the conferences is for Built Environment engineers, practitioners, researchers, scientists, owners and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality and culture of Alaska.

The technical presentations will provide relevant and practical solutions to handle the challenges of today as well as tomorrow in the Changing Arctic. Our goal is to ensure all attendees leave the conference with new tools and ideas that they can implement in their designs and communities, as well as excitement and inspiration for solutions yet to come.

Come to network with professionals from across the Arctic and learn what other nations are doing in our industry to address these challenges. Now more than ever, it is important for the People of the Arctic to share current Best Practices and collaborate on innovative solutions.

Beyond the technical scope, we Alaskans are known for our hospitality, just as Alaska is known for its natural beauty. We’ve made this conference one that will be remembered for decades!

REGISTRATION IS NOW OPEN!

Dates and Locations:

March 6-8, 2023—Anchorage
March 9-10, 2023—Fairbanks

Conference Venues:

Anchorage:

Marriott Anchorage Downtown

Fairbanks:

Chena Hot Springs Resort

Visit the conference website for information on discounted conference room blocks. For BOTH Venues!

Travel Arrangements:

Visit the conference website for information on traveling to Alaska during the winter.

Conference Website:

ashrae.org/2023hvaccoldclimate

Flyer Contents:

HVACCC 2023 Conference	Page 2
Conference Topics	Page 3
Arctic Mini Conference	Page 4
Sponsorship Opportunities	Page 5
Conference Flyer	Page 8

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



HVACCC 2023—ANCHORAGE, ALASKA

A conference you'll remember for years to come!

Let's Rondy!

- The conference has been strategically scheduled to start immediately after Anchorage's annual winter festival, The Fur Rendezvous (<https://www.furrondy.net/>), and alongside the internationally known Iditarod Sled Dog Race. Most events are within a short walk of the conference hotel.
- An early reception site will be setup prior to the conference for early attendees to access information about "Fur Rondy" events including times and locations for group tours (hosted by our own Alaska ASHRAE chapter members!). You'll also get our conference guide to local restaurants and breweries, outdoor recreational activities, and fun activities around Anchorage.

Sunday Excursion

- Come face to face with Alaskan wildlife at the Alaska Wildlife Conservation Center and then take a tram up to the top of Alaska's premier ski resort, Alyeska, for lunch with an amazing view.

Welcome Reception

- The conference officially begins at the Welcome Reception, held at the Alaska Native Heritage Center where you'll learn about and experience Alaska Native culture including a traditional dance troupe.

Three Days of Technical Sessions:

- The conference in Anchorage will have three separate tracks of technical presentations each day. The presentations will be a mix of technical paper presentations and workshops led by industry leaders and governmental agencies. See the Call for Papers attachment for topics and abstract submission guidelines.
- The conference will be the preeminent Cold Climate HVAC educational learning opportunity of the year bringing together experts from across the Arctic to share their expertise.

And Much More!

- The conference committee is continuing to seek additional technical, educational, and entertainment experiences for the conference. Visit the conference website for updates!



Iditarod Sled Dog Race



Alyeska Ski Resort



Yupik Dancer at the Alaska Native Heritage Center

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Conference Session Topics

The conference Steering Committee has received a diverse selection of papers for the Anchorage Conference. Presentations and sessions at the conference will focus on, but not be limited to, the following range of topics and subtopics:

Innovation in Equipment and Application

- Impacts of Data Centers Bit Coin Mining on Cold Climates
- Industrial Energy and Resource Development
- Utilities and Infrastructure
- District Heating and Cooling
- Heat Pumps / Heat Recovery
- Biofuel
- Indoor Agriculture

Sustainability and Resiliency

- Smart Buildings
- Energy Conservation
- Thermal Storage
- Decarbonization
- Overheating / Climate Models
- Maintenance and Operations

Building Environments

- Indoor Environmental Quality
- Critical Environments / Airborne Virus Transmission / Cross Contamination
- Building Envelope
- Humidity Impacts on Building Envelope
- Occupant Comfort
- Residential, Commercial, Institutional, Manufacturing
- Healthcare, Assisted Living, Senior Residences, Elder Care Home, Senior Housing Retirement Homes
- Digitalization and Controls
- Unique Locations, Underground Spaces, Walkways, Shopping Centers



“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long lasting cold climate structures.”

- Erich Binder, Conference Chair

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



ARCTIC MINI CONFERENCE—FAIRBANKS, ALASKA

For an additional fee, conference attendees can register to attend an immersive experience to Fairbanks, Alaska the day after the conference.

Cold Climate Housing Research Center (CCHRC):

- Attendees will be bussed from the airport for a brief workshop, tour, and lunch at the CCHRC. CCHRC is a part of the National Renewable Energy Laboratory (NREL) and is a leading organization in research and testing of building technologies in cold climates.

Cold Regions Research and Engineering Laboratory Permafrost Research Tunnel:

- Walk 45,000 years into the past to view ice lenses and actual remains of animals and plants preserved by the cold. This is a unique experience, as visiting the tunnel requires special approval from the United States Army Corps of Engineers. Organizing committee member, Dr. Alexander Zhivov, has received initial clearance for this visit.

Chena Hot Springs Resort:

- After the tour of the tunnel, attendees will be bussed to the World-Famous Chena Hot Springs Resort.
- Enjoy a tour of their geothermal driven tri-generation system and Aurora Ice Museum. Relax that evening soaking in the natural hot springs. This location is known for its Aurora Borealis/Northern Lights shows in the winter.

Full Day of Technical Sessions:

- The next morning starts a full day of additional technical presentations held at the Resort. Sessions will include workshops and presentations focusing on design for extreme cold and remote climates, including newly added information in the upcoming second printings of the ASHRAE Cold Climate Design Guide and the ASHRAE Guide for Resilient Thermal Energy Systems Design in Cold and Arctic Climates. This part of the technical session will be supported by CCHRC, University of Alaska Fairbanks staff, and local engineering firms. At the end of that day, attendees can either travel home or continue their Alaskan adventures.



Cold Climate Housing Research Center



Permafrost Research Tunnel



Chena Hot Springs Resort

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



AN INVITATION TO SPONSOR

The conference organizers are pleased to offer several sponsorship opportunities to engage industry participation.

Sponsors will have their company logo, name on the event flyer, the conference web site and recognition during the conference both in Anchorage and Fairbanks. A summary of the specific benefits of each sponsorship level is provided below.

SPONSORSHIP LEVELS AND BENEFITS	GOLD	SILVER	ZINC	JADE	COPPER
	\$10,000	\$5,000	\$2,500	\$1,000	\$500
Number of Packages Available	Limited	Limited			
Recognition as Gold Sponsor in conference communications	Yes				
Complimentary Registration for Anchorage**	5	3	2	1	
Reception Sponsor – Logo on Reception Signage Boards and leave behinds. (Includes light hors d'oeuvres & one drink ticket)	Yes				
Breakfast Sponsor – Logo on Breakfast Signage Board and leave behinds on chairs		Yes			
Lunch Sponsor – Logo on Lunch Signage Board and leave behinds on chairs	Yes				
Morning or Afternoon Break – Logo on Signage during break			Yes		
Logo on Conference program and website	Yes	Yes	Yes	Yes	Yes
One Time use of Opt-in Conference Attendee Mailing List	Yes	Yes	Yes	Yes	Yes
Information Table***	Yes	Yes	Yes	Yes	

** Conference registration includes light breakfasts, lunches, welcome reception and conference banquet.

***Information Table: One six-foot table and two chairs in foyer of conference meeting area. Sponsor can display information about their company and/or products, as well as have time to interact with conference attendees. Tables are limited in quantity, location prioritized by sponsor level.

For additional sponsorship opportunities and options please email Staci Loeffler at sloeffler@ashrae.org



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Sponsorship Agreement Form

Are you interested in sponsoring the 2023 HVACCC Conference? If so, please complete and sign this form and return by email to Staci Loeffler at sloeffler@ashrae.org.

All sponsors: please send your company logo (300 dpi, either eps, jpeg or tif file) via email to Staci.

Sponsoring Company Name (as you would like it displayed):

Company Contact: _____

Address: _____

City, State, Zip: _____

Country: _____

Phone: _____ Email: _____

Sponsorship Level

I/we agree to sponsor the 2023 HVAC Cold Climate Conference

GOLD (\$10,000)

SILVER (\$5,000)

ZINC (\$2,500)

JADE (\$1,000)

COPPER (\$500)

I/we would like the sponsorship to be designated towards events occurring in

Cold Climate Conference, Anchorage, Alaska

Arctic Mini Conference, Fairbanks, Alaska

Wherever most needed

(Note that Sponsor Recognition occurs at BOTH venues regardless of designation)

By his/her signature below, the individual signing this contract represents and warrants that he/she is duly authorized to execute this binding contract on behalf of the named sponsor.

Signature: _____ Date: _____



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Payment Due Date

Full payment of sponsorship is due with signed agreement. Please see the next page for information regarding payment for this sponsorship.

Payment Method

Credit Card:

- Visa
- MasterCard
- American Express
- Diners Club

Check:

Make checks payable to 'ASHRAE'

180 Technology Parkway Peachtree Corners, GA 30092

Card Number:

Expiration Date:

Cardholders Signature

Please contact Staci Loeffler at sloeffler@ashrae.org or 678-539-1165 if you have any questions.

ASHRAE AND SCANVAC HVAC COLD CLIMATE CONFERENCE 2023



Anchorage, Alaska
March 6-8
Marriott Anchorage Downtown

A separate Arctic Mini Conference will take place following the Cold Climate Conference. For an additional fee, conference attendees can register to attend this immersive experience in Fairbanks, Alaska, March 9-10, which will include technical tours and presentations.

The HVAC Cold Climate Conference 2023, co-organized by ASHRAE and SCANVAC, will enable engineers, consultants, contractors and building owners to develop and implement design strategies and operating solutions that can be successfully applied in cold climates.



For more information, visit ashrae.org/coldclimates2023

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Unique Challenges & Solutions for Climate Change in Cold & Arctic Communities

The ASHRAE Alaska Chapter warmly invites you to join us in Alaska in March 2023 for two amazing international conferences!

The first conference, the “ASHRAE and SCANVAC HVAC Cold Climate Conference 2023” is being co-organized by ASHRAE and SCANVAC and will be held in Anchorage from March 6-8th. For an additional registration fee, attendees can continue their arctic experience at the “Arctic Mini Conference”, in Fairbanks from March 9th-10th.

The goal of the conferences is for Built Environment engineers, practitioners, researchers, scientists, owners and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality and culture of Alaska.

The technical presentations will provide relevant and practical solutions to handle the challenges of today as well as tomorrow in the Changing Arctic. Our goal is to ensure all attendees leave the conference with new tools and ideas that they can implement in their designs and communities, as well as excitement and inspiration for solutions yet to come.

Come to network with professionals from across the Arctic and learn what other nations are doing in our industry to address these challenges. Now more than ever, it is important for the People of the Arctic to share current Best Practices and collaborate on innovative solutions.

Beyond the technical scope, we Alaskans are known for our hospitality, just as Alaska is known for its natural beauty. We’ve made this conference one that will be remembered for decades!

REGISTRATION IS NOW OPEN!

Dates and Locations:

March 6-8, 2023—Anchorage
March 9-10, 2023—Fairbanks

Conference Venues:

Anchorage:

Marriott Anchorage Downtown

Fairbanks:

Chena Hot Springs Resort

Visit the conference website for information on discounted conference room blocks. For BOTH Venues!

Travel Arrangements:

Visit the conference website for information on traveling to Alaska during the winter.

Conference Website:

ashrae.org/2023hvaccoldclimate

Flyer Contents:

HVACCC 2023 Conference	Page 2
Conference Topics	Page 3
Arctic Mini Conference	Page 4
Sponsorship Opportunities	Page 5
Conference Flyer	Page 8

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



HVACCC 2023—ANCHORAGE, ALASKA

A conference you'll remember for years to come!

Let's Rondy!

- The conference has been strategically scheduled to start immediately after Anchorage's annual winter festival, The Fur Rendezvous (<https://www.furrondy.net/>), and alongside the internationally known Iditarod Sled Dog Race. Most events are within a short walk of the conference hotel.
- An early reception site will be setup prior to the conference for early attendees to access information about "Fur Rondy" events including times and locations for group tours (hosted by our own Alaska ASHRAE chapter members!). You'll also get our conference guide to local restaurants and breweries, outdoor recreational activities, and fun activities around Anchorage.

Sunday Excursion

- Come face to face with Alaskan wildlife at the Alaska Wildlife Conservation Center and then take a tram up to the top of Alaska's premier ski resort, Alyeska, for lunch with an amazing view.

Welcome Reception

- The conference officially begins at the Welcome Reception, held at the Alaska Native Heritage Center where you'll learn about and experience Alaska Native culture including a traditional dance troupe.

Three Days of Technical Sessions:

- The conference in Anchorage will have three separate tracks of technical presentations each day. The presentations will be a mix of technical paper presentations and workshops led by industry leaders and governmental agencies. See the Call for Papers attachment for topics and abstract submission guidelines.
- The conference will be the preeminent Cold Climate HVAC educational learning opportunity of the year bringing together experts from across the Arctic to share their expertise.

And Much More!

- The conference committee is continuing to seek additional technical, educational, and entertainment experiences for the conference. Visit the conference website for updates!



Iditarod Sled Dog Race



Alyeska Ski Resort



Yupik Dancer at the Alaska Native Heritage Center

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Conference Session Topics

The conference Steering Committee has received a diverse selection of papers for the Anchorage Conference. Presentations and sessions at the conference will focus on, but not be limited to, the following range of topics and subtopics:

Innovation in Equipment and Application

- Impacts of Data Centers Bit Coin Mining on Cold Climates
- Industrial Energy and Resource Development
- Utilities and Infrastructure
- District Heating and Cooling
- Heat Pumps / Heat Recovery
- Biofuel
- Indoor Agriculture

Sustainability and Resiliency

- Smart Buildings
- Energy Conservation
- Thermal Storage
- Decarbonization
- Overheating / Climate Models
- Maintenance and Operations

Building Environments

- Indoor Environmental Quality
- Critical Environments / Airborne Virus Transmission / Cross Contamination
- Building Envelope
- Humidity Impacts on Building Envelope
- Occupant Comfort
- Residential, Commercial, Institutional, Manufacturing
- Healthcare, Assisted Living, Senior Residences, Elder Care Home, Senior Housing Retirement Homes
- Digitalization and Controls
- Unique Locations, Underground Spaces, Walkways, Shopping Centers



“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long lasting cold climate structures.”

- Erich Binder, Conference Chair

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



ARCTIC MINI CONFERENCE—FAIRBANKS, ALASKA

For an additional fee, conference attendees can register to attend an immersive experience to Fairbanks, Alaska the day after the conference.

Cold Climate Housing Research Center (CCHRC):

- Attendees will be bussed from the airport for a brief workshop, tour, and lunch at the CCHRC. CCHRC is a part of the National Renewable Energy Laboratory (NREL) and is a leading organization in research and testing of building technologies in cold climates.

Cold Regions Research and Engineering Laboratory Permafrost Research Tunnel:

- Walk 45,000 years into the past to view ice lenses and actual remains of animals and plants preserved by the cold. This is a unique experience, as visiting the tunnel requires special approval from the United States Army Corps of Engineers. Organizing committee member, Dr. Alexander Zhivov, has received initial clearance for this visit.

Chena Hot Springs Resort:

- After the tour of the tunnel, attendees will be bussed to the World-Famous Chena Hot Springs Resort.
- Enjoy a tour of their geothermal driven tri-generation system and Aurora Ice Museum. Relax that evening soaking in the natural hot springs. This location is known for its Aurora Borealis/Northern Lights shows in the winter.

Full Day of Technical Sessions:

- The next morning starts a full day of additional technical presentations held at the Resort. Sessions will include workshops and presentations focusing on design for extreme cold and remote climates, including newly added information in the upcoming second printings of the ASHRAE Cold Climate Design Guide and the ASHRAE Guide for Resilient Thermal Energy Systems Design in Cold and Arctic Climates. This part of the technical session will be supported by CCHRC, University of Alaska Fairbanks staff, and local engineering firms. At the end of that day, attendees can either travel home or continue their Alaskan adventures.



Cold Climate Housing Research Center



Permafrost Research Tunnel



Chena Hot Springs Resort

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



AN INVITATION TO SPONSOR

The conference organizers are pleased to offer several sponsorship opportunities to engage industry participation.

Sponsors will have their company logo, name on the event flyer, the conference web site and recognition during the conference both in Anchorage and Fairbanks. A summary of the specific benefits of each sponsorship level is provided below.

SPONSORSHIP LEVELS AND BENEFITS	GOLD	SILVER	ZINC	JADE	COPPER
	\$10,000	\$5,000	\$2,500	\$1,000	\$500
Number of Packages Available	Limited	Limited			
Recognition as Gold Sponsor in conference communications	Yes				
Complimentary Registration for Anchorage**	5	3	2	1	
Reception Sponsor – Logo on Reception Signage Boards and leave behinds. (Includes light hors d'oeuvres & one drink ticket)	Yes				
Breakfast Sponsor – Logo on Breakfast Signage Board and leave behinds on chairs		Yes			
Lunch Sponsor – Logo on Lunch Signage Board and leave behinds on chairs	Yes				
Morning or Afternoon Break – Logo on Signage during break			Yes		
Logo on Conference program and website	Yes	Yes	Yes	Yes	Yes
One Time use of Opt-in Conference Attendee Mailing List	Yes	Yes	Yes	Yes	Yes
Information Table***	Yes	Yes	Yes	Yes	

** Conference registration includes light breakfasts, lunches, welcome reception and conference banquet.

***Information Table: One six-foot table and two chairs in foyer of conference meeting area. Sponsor can display information about their company and/or products, as well as have time to interact with conference attendees. Tables are limited in quantity, location prioritized by sponsor level.

For additional sponsorship opportunities and options please email Staci Loeffler at sloeffler@ashrae.org



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Sponsorship Agreement Form

Are you interested in sponsoring the 2023 HVACCC Conference? If so, please complete and sign this form and return by email to Staci Loeffler at sloeffler@ashrae.org.

All sponsors: please send your company logo (300 dpi, either eps, jpeg or tif file) via email to Staci.

Sponsoring Company Name (as you would like it displayed):

Company Contact: _____

Address: _____

City, State, Zip: _____

Country: _____

Phone: _____ Email: _____

Sponsorship Level

I/we agree to sponsor the 2023 HVAC Cold Climate Conference

GOLD (\$10,000)

SILVER (\$5,000)

ZINC (\$2,500)

JADE (\$1,000)

COPPER (\$500)

I/we would like the sponsorship to be designated towards events occurring in

Cold Climate Conference, Anchorage, Alaska

Arctic Mini Conference, Fairbanks, Alaska

Wherever most needed

(Note that Sponsor Recognition occurs at BOTH venues regardless of designation)

By his/her signature below, the individual signing this contract represents and warrants that he/she is duly authorized to execute this binding contract on behalf of the named sponsor.

Signature: _____ Date: _____



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Payment Due Date

Full payment of sponsorship is due with signed agreement. Please see the next page for information regarding payment for this sponsorship.

Payment Method

Credit Card:

- Visa
- MasterCard
- American Express
- Diners Club

Check:

Make checks payable to 'ASHRAE'
180 Technology Parkway Peachtree Corners, GA 30092

Card Number:

Expiration Date:

Cardholders Signature

Please contact Staci Loeffler at sloeffler@ashrae.org or 678-539-1165 if you have any questions.

ASHRAE AND SCANVAC HVAC COLD CLIMATE CONFERENCE 2023



Anchorage, Alaska
March 6-8
Marriott Anchorage Downtown



A separate Arctic Mini Conference will take place following the Cold Climate Conference. For an additional fee, conference attendees can register to attend this immersive experience in Fairbanks, Alaska, March 9-10, which will include technical tours and presentations.

The HVAC Cold Climate Conference 2023, co-organized by ASHRAE and SCANVAC, will enable engineers, consultants, contractors and building owners to develop and implement design strategies and operating solutions that can be successfully applied in cold climates.



For more information, visit ashrae.org/coldclimates2023

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Unique Challenges & Solutions for Climate Change in Cold & Arctic Communities

The ASHRAE Alaska Chapter warmly invites you to join us in Alaska in March 2023 for two amazing international conferences!

The first conference, the “ASHRAE and SCANVAC HVAC Cold Climate Conference 2023” is being co-organized by ASHRAE and SCANVAC and will be held in Anchorage from March 6-8th. For an additional registration fee, attendees can continue their arctic experience at the “Arctic Mini Conference”, in Fairbanks from March 9th-10th.

The goal of the conferences is for Built Environment engineers, practitioners, researchers, scientists, owners and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality and culture of Alaska.

The technical presentations will provide relevant and practical solutions to handle the challenges of today as well as tomorrow in the Changing Arctic. Our goal is to ensure all attendees leave the conference with new tools and ideas that they can implement in their designs and communities, as well as excitement and inspiration for solutions yet to come.

Come to network with professionals from across the Arctic and learn what other nations are doing in our industry to address these challenges. Now more than ever, it is important for the People of the Arctic to share current Best Practices and collaborate on innovative solutions.

Beyond the technical scope, we Alaskans are known for our hospitality, just as Alaska is known for its natural beauty. We’ve made this conference one that will be remembered for decades!

REGISTRATION IS NOW OPEN!

Dates and Locations:

March 6-8, 2023—Anchorage
March 9-10, 2023—Fairbanks

Conference Venues:

Anchorage:

Marriott Anchorage Downtown

Fairbanks:

Chena Hot Springs Resort

Visit the conference website for information on discounted conference room blocks. For BOTH Venues!

Travel Arrangements:

Visit the conference website for information on traveling to Alaska during the winter.

Conference Website:

ashrae.org/2023hvaccoldclimate

Flyer Contents:

HVACCC 2023 Conference	Page 2
Conference Topics	Page 3
Arctic Mini Conference	Page 4
Sponsorship Opportunities	Page 5
Conference Flyer	Page 8

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



HVACCC 2023—ANCHORAGE, ALASKA

A conference you'll remember for years to come!

Let's Rondy!

- The conference has been strategically scheduled to start immediately after Anchorage's annual winter festival, The Fur Rendezvous (<https://www.furrondy.net/>), and alongside the internationally known Iditarod Sled Dog Race. Most events are within a short walk of the conference hotel.
- An early reception site will be setup prior to the conference for early attendees to access information about "Fur Rondy" events including times and locations for group tours (hosted by our own Alaska ASHRAE chapter members!). You'll also get our conference guide to local restaurants and breweries, outdoor recreational activities, and fun activities around Anchorage.

Sunday Excursion

- Come face to face with Alaskan wildlife at the Alaska Wildlife Conservation Center and then take a tram up to the top of Alaska's premier ski resort, Alyeska, for lunch with an amazing view.

Welcome Reception

- The conference officially begins at the Welcome Reception, held at the Alaska Native Heritage Center where you'll learn about and experience Alaska Native culture including a traditional dance troupe.

Three Days of Technical Sessions:

- The conference in Anchorage will have three separate tracks of technical presentations each day. The presentations will be a mix of technical paper presentations and workshops led by industry leaders and governmental agencies. See the Call for Papers attachment for topics and abstract submission guidelines.
- The conference will be the preeminent Cold Climate HVAC educational learning opportunity of the year bringing together experts from across the Arctic to share their expertise.

And Much More!

- The conference committee is continuing to seek additional technical, educational, and entertainment experiences for the conference. Visit the conference website for updates!



Iditarod Sled Dog Race



Alyeska Ski Resort



Yupik Dancer at the Alaska Native Heritage Center

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Conference Session Topics

The conference Steering Committee has received a diverse selection of papers for the Anchorage Conference. Presentations and sessions at the conference will focus on, but not be limited to, the following range of topics and subtopics:

Innovation in Equipment and Application

- Impacts of Data Centers Bit Coin Mining on Cold Climates
- Industrial Energy and Resource Development
- Utilities and Infrastructure
- District Heating and Cooling
- Heat Pumps / Heat Recovery
- Biofuel
- Indoor Agriculture

Sustainability and Resiliency

- Smart Buildings
- Energy Conservation
- Thermal Storage
- Decarbonization
- Overheating / Climate Models
- Maintenance and Operations

Building Environments

- Indoor Environmental Quality
- Critical Environments / Airborne Virus Transmission / Cross Contamination
- Building Envelope
- Humidity Impacts on Building Envelope
- Occupant Comfort
- Residential, Commercial, Institutional, Manufacturing
- Healthcare, Assisted Living, Senior Residences, Elder Care Home, Senior Housing Retirement Homes
- Digitalization and Controls
- Unique Locations, Underground Spaces, Walkways, Shopping Centers



“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long lasting cold climate structures.”

- Erich Binder, Conference Chair

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



ARCTIC MINI CONFERENCE—FAIRBANKS, ALASKA

For an additional fee, conference attendees can register to attend an immersive experience to Fairbanks, Alaska the day after the conference.

Cold Climate Housing Research Center (CCHRC):

- Attendees will be bussed from the airport for a brief workshop, tour, and lunch at the CCHRC. CCHRC is a part of the National Renewable Energy Laboratory (NREL) and is a leading organization in research and testing of building technologies in cold climates.

Cold Regions Research and Engineering Laboratory Permafrost Research Tunnel:

- Walk 45,000 years into the past to view ice lenses and actual remains of animals and plants preserved by the cold. This is a unique experience, as visiting the tunnel requires special approval from the United States Army Corps of Engineers. Organizing committee member, Dr. Alexander Zhivov, has received initial clearance for this visit.

Chena Hot Springs Resort:

- After the tour of the tunnel, attendees will be bussed to the World-Famous Chena Hot Springs Resort.
- Enjoy a tour of their geothermal driven tri-generation system and Aurora Ice Museum. Relax that evening soaking in the natural hot springs. This location is known for its Aurora Borealis/Northern Lights shows in the winter.

Full Day of Technical Sessions:

- The next morning starts a full day of additional technical presentations held at the Resort. Sessions will include workshops and presentations focusing on design for extreme cold and remote climates, including newly added information in the upcoming second printings of the ASHRAE Cold Climate Design Guide and the ASHRAE Guide for Resilient Thermal Energy Systems Design in Cold and Arctic Climates. This part of the technical session will be supported by CCHRC, University of Alaska Fairbanks staff, and local engineering firms. At the end of that day, attendees can either travel home or continue their Alaskan adventures.



Cold Climate Housing Research Center



Permafrost Research Tunnel



Chena Hot Springs Resort

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



AN INVITATION TO SPONSOR

The conference organizers are pleased to offer several sponsorship opportunities to engage industry participation.

Sponsors will have their company logo, name on the event flyer, the conference web site and recognition during the conference both in Anchorage and Fairbanks. A summary of the specific benefits of each sponsorship level is provided below.

SPONSORSHIP LEVELS AND BENEFITS	GOLD	SILVER	ZINC	JADE	COPPER
	\$10,000	\$5,000	\$2,500	\$1,000	\$500
Number of Packages Available	Limited	Limited			
Recognition as Gold Sponsor in conference communications	Yes				
Complimentary Registration for Anchorage**	5	3	2	1	
Reception Sponsor – Logo on Reception Signage Boards and leave behinds. (Includes light hors d'oeuvres & one drink ticket)	Yes				
Breakfast Sponsor – Logo on Breakfast Signage Board and leave behinds on chairs		Yes			
Lunch Sponsor – Logo on Lunch Signage Board and leave behinds on chairs	Yes				
Morning or Afternoon Break – Logo on Signage during break			Yes		
Logo on Conference program and website	Yes	Yes	Yes	Yes	Yes
One Time use of Opt-in Conference Attendee Mailing List	Yes	Yes	Yes	Yes	Yes
Information Table***	Yes	Yes	Yes	Yes	

** Conference registration includes light breakfasts, lunches, welcome reception and conference banquet.

***Information Table: One six-foot table and two chairs in foyer of conference meeting area. Sponsor can display information about their company and/or products, as well as have time to interact with conference attendees. Tables are limited in quantity, location prioritized by sponsor level.

For additional sponsorship opportunities and options please email Staci Loeffler at sloeffler@ashrae.org



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Sponsorship Agreement Form

Are you interested in sponsoring the 2023 HVACCC Conference? If so, please complete and sign this form and return by email to Staci Loeffler at sloeffler@ashrae.org.

All sponsors: please send your company logo (300 dpi, either eps, jpeg or tif file) via email to Staci.

Sponsoring Company Name (as you would like it displayed):

Company Contact: _____

Address: _____

City, State, Zip: _____

Country: _____

Phone: _____ Email: _____

Sponsorship Level

I/we agree to sponsor the 2023 HVAC Cold Climate Conference

GOLD (\$10,000)

SILVER (\$5,000)

ZINC (\$2,500)

JADE (\$1,000)

COPPER (\$500)

I/we would like the sponsorship to be designated towards events occurring in

Cold Climate Conference, Anchorage, Alaska

Arctic Mini Conference, Fairbanks, Alaska

Wherever most needed

(Note that Sponsor Recognition occurs at BOTH venues regardless of designation)

By his/her signature below, the individual signing this contract represents and warrants that he/she is duly authorized to execute this binding contract on behalf of the named sponsor.

Signature: _____ Date: _____



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Payment Due Date

Full payment of sponsorship is due with signed agreement. Please see the next page for information regarding payment for this sponsorship.

Payment Method

Credit Card:

- Visa
- MasterCard
- American Express
- Diners Club

Check:

Make checks payable to 'ASHRAE'

180 Technology Parkway Peachtree Corners, GA 30092

Card Number:

Expiration Date:

Cardholders Signature

Please contact Staci Loeffler at sloeffler@ashrae.org or 678-539-1165 if you have any questions.

ASHRAE AND SCANVAC HVAC COLD CLIMATE CONFERENCE 2023



Anchorage, Alaska
March 6-8
Marriott Anchorage Downtown

A separate Arctic Mini Conference will take place following the Cold Climate Conference. For an additional fee, conference attendees can register to attend this immersive experience in Fairbanks, Alaska, March 9-10, which will include technical tours and presentations.

The HVAC Cold Climate Conference 2023, co-organized by ASHRAE and SCANVAC, will enable engineers, consultants, contractors and building owners to develop and implement design strategies and operating solutions that can be successfully applied in cold climates.



For more information, visit ashrae.org/coldclimates2023

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Unique Challenges & Solutions for Climate Change in Cold & Arctic Communities

The ASHRAE Alaska Chapter warmly invites you to join us in Alaska in March 2023 for two amazing international conferences!

The first conference, the “ASHRAE and SCANVAC HVAC Cold Climate Conference 2023” is being co-organized by ASHRAE and SCANVAC and will be held in Anchorage from March 6-8th. For an additional registration fee, attendees can continue their arctic experience at the “Arctic Mini Conference”, in Fairbanks from March 9th-10th.

The goal of the conferences is for Built Environment engineers, practitioners, researchers, scientists, owners and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality and culture of Alaska.

The technical presentations will provide relevant and practical solutions to handle the challenges of today as well as tomorrow in the Changing Arctic. Our goal is to ensure all attendees leave the conference with new tools and ideas that they can implement in their designs and communities, as well as excitement and inspiration for solutions yet to come.

Come to network with professionals from across the Arctic and learn what other nations are doing in our industry to address these challenges. Now more than ever, it is important for the People of the Arctic to share current Best Practices and collaborate on innovative solutions.

Beyond the technical scope, we Alaskans are known for our hospitality, just as Alaska is known for its natural beauty. We’ve made this conference one that will be remembered for decades!

REGISTRATION IS NOW OPEN!

Dates and Locations:

March 6-8, 2023—Anchorage
March 9-10, 2023—Fairbanks

Conference Venues:

Anchorage:

Marriott Anchorage Downtown

Fairbanks:

Chena Hot Springs Resort

Visit the conference website for information on discounted conference room blocks. For BOTH Venues!

Travel Arrangements:

Visit the conference website for information on traveling to Alaska during the winter.

Conference Website:

ashrae.org/2023hvaccoldclimate

Flyer Contents:

HVACCC 2023 Conference	Page 2
Conference Topics	Page 3
Arctic Mini Conference	Page 4
Sponsorship Opportunities	Page 5
Conference Flyer	Page 8

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



HVACCC 2023—ANCHORAGE, ALASKA

A conference you'll remember for years to come!

Let's Rondy!

- The conference has been strategically scheduled to start immediately after Anchorage's annual winter festival, The Fur Rendezvous (<https://www.furrondy.net/>), and alongside the internationally known Iditarod Sled Dog Race. Most events are within a short walk of the conference hotel.
- An early reception site will be setup prior to the conference for early attendees to access information about "Fur Rondy" events including times and locations for group tours (hosted by our own Alaska ASHRAE chapter members!). You'll also get our conference guide to local restaurants and breweries, outdoor recreational activities, and fun activities around Anchorage.

Sunday Excursion

- Come face to face with Alaskan wildlife at the Alaska Wildlife Conservation Center and then take a tram up to the top of Alaska's premier ski resort, Alyeska, for lunch with an amazing view.

Welcome Reception

- The conference officially begins at the Welcome Reception, held at the Alaska Native Heritage Center where you'll learn about and experience Alaska Native culture including a traditional dance troupe.

Three Days of Technical Sessions:

- The conference in Anchorage will have three separate tracks of technical presentations each day. The presentations will be a mix of technical paper presentations and workshops led by industry leaders and governmental agencies. See the Call for Papers attachment for topics and abstract submission guidelines.
- The conference will be the preeminent Cold Climate HVAC educational learning opportunity of the year bringing together experts from across the Arctic to share their expertise.

And Much More!

- The conference committee is continuing to seek additional technical, educational, and entertainment experiences for the conference. Visit the conference website for updates!



Iditarod Sled Dog Race



Alyeska Ski Resort



Yupik Dancer at the Alaska Native Heritage Center

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Conference Session Topics

The conference Steering Committee has received a diverse selection of papers for the Anchorage Conference. Presentations and sessions at the conference will focus on, but not be limited to, the following range of topics and subtopics:

Innovation in Equipment and Application

- Impacts of Data Centers Bit Coin Mining on Cold Climates
- Industrial Energy and Resource Development
- Utilities and Infrastructure
- District Heating and Cooling
- Heat Pumps / Heat Recovery
- Biofuel
- Indoor Agriculture

Sustainability and Resiliency

- Smart Buildings
- Energy Conservation
- Thermal Storage
- Decarbonization
- Overheating / Climate Models
- Maintenance and Operations

Building Environments

- Indoor Environmental Quality
- Critical Environments / Airborne Virus Transmission / Cross Contamination
- Building Envelope
- Humidity Impacts on Building Envelope
- Occupant Comfort
- Residential, Commercial, Institutional, Manufacturing
- Healthcare, Assisted Living, Senior Residences, Elder Care Home, Senior Housing Retirement Homes
- Digitalization and Controls
- Unique Locations, Underground Spaces, Walkways, Shopping Centers



“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long lasting cold climate structures.”

- Erich Binder, Conference Chair

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



ARCTIC MINI CONFERENCE—FAIRBANKS, ALASKA

For an additional fee, conference attendees can register to attend an immersive experience to Fairbanks, Alaska the day after the conference.

Cold Climate Housing Research Center (CCHRC):

- Attendees will be bussed from the airport for a brief workshop, tour, and lunch at the CCHRC. CCHRC is a part of the National Renewable Energy Laboratory (NREL) and is a leading organization in research and testing of building technologies in cold climates.

Cold Regions Research and Engineering Laboratory Permafrost Research Tunnel:

- Walk 45,000 years into the past to view ice lenses and actual remains of animals and plants preserved by the cold. This is a unique experience, as visiting the tunnel requires special approval from the United States Army Corps of Engineers. Organizing committee member, Dr. Alexander Zhivov, has received initial clearance for this visit.

Chena Hot Springs Resort:

- After the tour of the tunnel, attendees will be bussed to the World-Famous Chena Hot Springs Resort.
- Enjoy a tour of their geothermal driven tri-generation system and Aurora Ice Museum. Relax that evening soaking in the natural hot springs. This location is known for its Aurora Borealis/Northern Lights shows in the winter.

Full Day of Technical Sessions:

- The next morning starts a full day of additional technical presentations held at the Resort. Sessions will include workshops and presentations focusing on design for extreme cold and remote climates, including newly added information in the upcoming second printings of the ASHRAE Cold Climate Design Guide and the ASHRAE Guide for Resilient Thermal Energy Systems Design in Cold and Arctic Climates. This part of the technical session will be supported by CCHRC, University of Alaska Fairbanks staff, and local engineering firms. At the end of that day, attendees can either travel home or continue their Alaskan adventures.



Cold Climate Housing Research Center



Permafrost Research Tunnel



Chena Hot Springs Resort

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



AN INVITATION TO SPONSOR

The conference organizers are pleased to offer several sponsorship opportunities to engage industry participation.

Sponsors will have their company logo, name on the event flyer, the conference web site and recognition during the conference both in Anchorage and Fairbanks. A summary of the specific benefits of each sponsorship level is provided below.

SPONSORSHIP LEVELS AND BENEFITS	GOLD	SILVER	ZINC	JADE	COPPER
	\$10,000	\$5,000	\$2,500	\$1,000	\$500
Number of Packages Available	Limited	Limited			
Recognition as Gold Sponsor in conference communications	Yes				
Complimentary Registration for Anchorage**	5	3	2	1	
Reception Sponsor – Logo on Reception Signage Boards and leave behinds. (Includes light hors d'oeuvres & one drink ticket)	Yes				
Breakfast Sponsor – Logo on Breakfast Signage Board and leave behinds on chairs		Yes			
Lunch Sponsor – Logo on Lunch Signage Board and leave behinds on chairs	Yes				
Morning or Afternoon Break – Logo on Signage during break			Yes		
Logo on Conference program and website	Yes	Yes	Yes	Yes	Yes
One Time use of Opt-in Conference Attendee Mailing List	Yes	Yes	Yes	Yes	Yes
Information Table***	Yes	Yes	Yes	Yes	

** Conference registration includes light breakfasts, lunches, welcome reception and conference banquet.

***Information Table: One six-foot table and two chairs in foyer of conference meeting area. Sponsor can display information about their company and/or products, as well as have time to interact with conference attendees. Tables are limited in quantity, location prioritized by sponsor level.

For additional sponsorship opportunities and options please email Staci Loeffler at sloeffler@ashrae.org



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Sponsorship Agreement Form

Are you interested in sponsoring the 2023 HVACCC Conference? If so, please complete and sign this form and return by email to Staci Loeffler at sloeffler@ashrae.org.

All sponsors: please send your company logo (300 dpi, either eps, jpeg or tif file) via email to Staci.

Sponsoring Company Name (as you would like it displayed):

Company Contact: _____

Address: _____

City, State, Zip: _____

Country: _____

Phone: _____ Email: _____

Sponsorship Level

I/we agree to sponsor the 2023 HVAC Cold Climate Conference

GOLD (\$10,000)

SILVER (\$5,000)

ZINC (\$2,500)

JADE (\$1,000)

COPPER (\$500)

I/we would like the sponsorship to be designated towards events occurring in

Cold Climate Conference, Anchorage, Alaska

Arctic Mini Conference, Fairbanks, Alaska

Wherever most needed

(Note that Sponsor Recognition occurs at BOTH venues regardless of designation)

By his/her signature below, the individual signing this contract represents and warrants that he/she is duly authorized to execute this binding contract on behalf of the named sponsor.

Signature: _____ Date: _____



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Payment Due Date

Full payment of sponsorship is due with signed agreement. Please see the next page for information regarding payment for this sponsorship.

Payment Method

Credit Card:

- Visa
- MasterCard
- American Express
- Diners Club

Check:

Make checks payable to 'ASHRAE'
180 Technology Parkway Peachtree Corners, GA 30092

Card Number:

Expiration Date:

Cardholders Signature

Please contact Staci Loeffler at sloeffler@ashrae.org or 678-539-1165 if you have any questions.

ASHRAE AND SCANVAC HVAC COLD CLIMATE CONFERENCE 2023

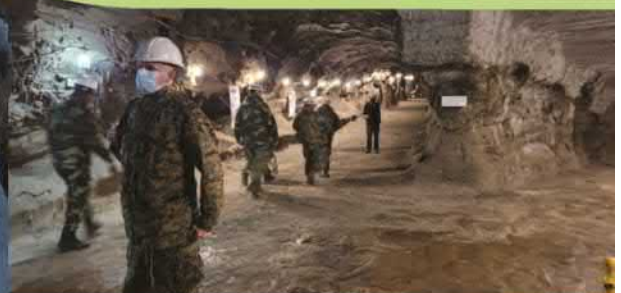


Anchorage, Alaska
March 6-8
Marriott Anchorage Downtown



A separate Arctic Mini Conference will take place following the Cold Climate Conference. For an additional fee, conference attendees can register to attend this immersive experience in Fairbanks, Alaska, March 9-10, which will include technical tours and presentations.

The HVAC Cold Climate Conference 2023, co-organized by ASHRAE and SCANVAC, will enable engineers, consultants, contractors and building owners to develop and implement design strategies and operating solutions that can be successfully applied in cold climates.



For more information, visit ashrae.org/coldclimates2023

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Unique Challenges & Solutions for Climate Change in Cold & Arctic Communities

The ASHRAE Alaska Chapter warmly invites you to join us in Alaska in March 2023 for two amazing international conferences!

The first conference, the “ASHRAE and SCANVAC HVAC Cold Climate Conference 2023” is being co-organized by ASHRAE and SCANVAC and will be held in Anchorage from March 6-8th. For an additional registration fee, attendees can continue their arctic experience at the “Arctic Mini Conference”, in Fairbanks from March 9th-10th.

The goal of the conferences is for Built Environment engineers, practitioners, researchers, scientists, owners and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality and culture of Alaska.

The technical presentations will provide relevant and practical solutions to handle the challenges of today as well as tomorrow in the Changing Arctic. Our goal is to ensure all attendees leave the conference with new tools and ideas that they can implement in their designs and communities, as well as excitement and inspiration for solutions yet to come.

Come to network with professionals from across the Arctic and learn what other nations are doing in our industry to address these challenges. Now more than ever, it is important for the People of the Arctic to share current Best Practices and collaborate on innovative solutions.

Beyond the technical scope, we Alaskans are known for our hospitality, just as Alaska is known for its natural beauty. We’ve made this conference one that will be remembered for decades!

REGISTRATION IS NOW OPEN!

Dates and Locations:

March 6-8, 2023—Anchorage
March 9-10, 2023—Fairbanks

Conference Venues:

Anchorage:

Marriott Anchorage Downtown

Fairbanks:

Chena Hot Springs Resort

Visit the conference website for information on discounted conference room blocks. For BOTH Venues!

Travel Arrangements:

Visit the conference website for information on traveling to Alaska during the winter.

Conference Website:

ashrae.org/2023hvaccoldclimate

Flyer Contents:

HVACCC 2023 Conference	Page 2
Conference Topics	Page 3
Arctic Mini Conference	Page 4
Sponsorship Opportunities	Page 5
Conference Flyer	Page 8

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



HVACCC 2023—ANCHORAGE, ALASKA

A conference you'll remember for years to come!

Let's Rondy!

- The conference has been strategically scheduled to start immediately after Anchorage's annual winter festival, The Fur Rendezvous (<https://www.furrondy.net/>), and alongside the internationally known Iditarod Sled Dog Race. Most events are within a short walk of the conference hotel.
- An early reception site will be setup prior to the conference for early attendees to access information about "Fur Rondy" events including times and locations for group tours (hosted by our own Alaska ASHRAE chapter members!). You'll also get our conference guide to local restaurants and breweries, outdoor recreational activities, and fun activities around Anchorage.

Sunday Excursion

- Come face to face with Alaskan wildlife at the Alaska Wildlife Conservation Center and then take a tram up to the top of Alaska's premier ski resort, Alyeska, for lunch with an amazing view.

Welcome Reception

- The conference officially begins at the Welcome Reception, held at the Alaska Native Heritage Center where you'll learn about and experience Alaska Native culture including a traditional dance troupe.

Three Days of Technical Sessions:

- The conference in Anchorage will have three separate tracks of technical presentations each day. The presentations will be a mix of technical paper presentations and workshops led by industry leaders and governmental agencies. See the Call for Papers attachment for topics and abstract submission guidelines.
- The conference will be the preeminent Cold Climate HVAC educational learning opportunity of the year bringing together experts from across the Arctic to share their expertise.

And Much More!

- The conference committee is continuing to seek additional technical, educational, and entertainment experiences for the conference. Visit the conference website for updates!



Iditarod Sled Dog Race



Alyeska Ski Resort



Yupik Dancer at the Alaska Native Heritage Center

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Conference Session Topics

The conference Steering Committee has received a diverse selection of papers for the Anchorage Conference. Presentations and sessions at the conference will focus on, but not be limited to, the following range of topics and subtopics:

Innovation in Equipment and Application

- Impacts of Data Centers Bit Coin Mining on Cold Climates
- Industrial Energy and Resource Development
- Utilities and Infrastructure
- District Heating and Cooling
- Heat Pumps / Heat Recovery
- Biofuel
- Indoor Agriculture

Sustainability and Resiliency

- Smart Buildings
- Energy Conservation
- Thermal Storage
- Decarbonization
- Overheating / Climate Models
- Maintenance and Operations

Building Environments

- Indoor Environmental Quality
- Critical Environments / Airborne Virus Transmission / Cross Contamination
- Building Envelope
- Humidity Impacts on Building Envelope
- Occupant Comfort
- Residential, Commercial, Institutional, Manufacturing
- Healthcare, Assisted Living, Senior Residences, Elder Care Home, Senior Housing Retirement Homes
- Digitalization and Controls
- Unique Locations, Underground Spaces, Walkways, Shopping Centers



“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long lasting cold climate structures.”

- Erich Binder, Conference Chair

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



ARCTIC MINI CONFERENCE—FAIRBANKS, ALASKA

For an additional fee, conference attendees can register to attend an immersive experience to Fairbanks, Alaska the day after the conference.

Cold Climate Housing Research Center (CCHRC):

- Attendees will be bussed from the airport for a brief workshop, tour, and lunch at the CCHRC. CCHRC is a part of the National Renewable Energy Laboratory (NREL) and is a leading organization in research and testing of building technologies in cold climates.

Cold Regions Research and Engineering Laboratory Permafrost Research Tunnel:

- Walk 45,000 years into the past to view ice lenses and actual remains of animals and plants preserved by the cold. This is a unique experience, as visiting the tunnel requires special approval from the United States Army Corps of Engineers. Organizing committee member, Dr. Alexander Zhivov, has received initial clearance for this visit.

Chena Hot Springs Resort:

- After the tour of the tunnel, attendees will be bussed to the World-Famous Chena Hot Springs Resort.
- Enjoy a tour of their geothermal driven tri-generation system and Aurora Ice Museum. Relax that evening soaking in the natural hot springs. This location is known for its Aurora Borealis/Northern Lights shows in the winter.

Full Day of Technical Sessions:

- The next morning starts a full day of additional technical presentations held at the Resort. Sessions will include workshops and presentations focusing on design for extreme cold and remote climates, including newly added information in the upcoming second printings of the ASHRAE Cold Climate Design Guide and the ASHRAE Guide for Resilient Thermal Energy Systems Design in Cold and Arctic Climates. This part of the technical session will be supported by CCHRC, University of Alaska Fairbanks staff, and local engineering firms. At the end of that day, attendees can either travel home or continue their Alaskan adventures.



Cold Climate Housing Research Center



Permafrost Research Tunnel



Chena Hot Springs Resort

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



AN INVITATION TO SPONSOR

The conference organizers are pleased to offer several sponsorship opportunities to engage industry participation.

Sponsors will have their company logo, name on the event flyer, the conference web site and recognition during the conference both in Anchorage and Fairbanks. A summary of the specific benefits of each sponsorship level is provided below.

SPONSORSHIP LEVELS AND BENEFITS	GOLD	SILVER	ZINC	JADE	COPPER
	\$10,000	\$5,000	\$2,500	\$1,000	\$500
Number of Packages Available	Limited	Limited			
Recognition as Gold Sponsor in conference communications	Yes				
Complimentary Registration for Anchorage**	5	3	2	1	
Reception Sponsor – Logo on Reception Signage Boards and leave behinds. (Includes light hors d'oeuvres & one drink ticket)	Yes				
Breakfast Sponsor – Logo on Breakfast Signage Board and leave behinds on chairs		Yes			
Lunch Sponsor – Logo on Lunch Signage Board and leave behinds on chairs	Yes				
Morning or Afternoon Break – Logo on Signage during break			Yes		
Logo on Conference program and website	Yes	Yes	Yes	Yes	Yes
One Time use of Opt-in Conference Attendee Mailing List	Yes	Yes	Yes	Yes	Yes
Information Table***	Yes	Yes	Yes	Yes	

** Conference registration includes light breakfasts, lunches, welcome reception and conference banquet.

***Information Table: One six-foot table and two chairs in foyer of conference meeting area. Sponsor can display information about their company and/or products, as well as have time to interact with conference attendees. Tables are limited in quantity, location prioritized by sponsor level.

For additional sponsorship opportunities and options please email Staci Loeffler at sloeffler@ashrae.org



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Sponsorship Agreement Form

Are you interested in sponsoring the 2023 HVACCC Conference? If so, please complete and sign this form and return by email to Staci Loeffler at sloeffler@ashrae.org.

All sponsors: please send your company logo (300 dpi, either eps, jpeg or tif file) via email to Staci.

Sponsoring Company Name (as you would like it displayed):

Company Contact: _____

Address: _____

City, State, Zip: _____

Country: _____

Phone: _____ Email: _____

Sponsorship Level

I/we agree to sponsor the 2023 HVAC Cold Climate Conference

GOLD (\$10,000)

SILVER (\$5,000)

ZINC (\$2,500)

JADE (\$1,000)

COPPER (\$500)

I/we would like the sponsorship to be designated towards events occurring in

Cold Climate Conference, Anchorage, Alaska

Arctic Mini Conference, Fairbanks, Alaska

Wherever most needed

(Note that Sponsor Recognition occurs at BOTH venues regardless of designation)

By his/her signature below, the individual signing this contract represents and warrants that he/she is duly authorized to execute this binding contract on behalf of the named sponsor.

Signature: _____ Date: _____



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Payment Due Date

Full payment of sponsorship is due with signed agreement. Please see the next page for information regarding payment for this sponsorship.

Payment Method

Credit Card:

- Visa
- MasterCard
- American Express
- Diners Club

Check:

Make checks payable to 'ASHRAE'
180 Technology Parkway Peachtree Corners, GA 30092

Card Number:

Expiration Date:

Cardholders Signature

Please contact Staci Loeffler at sloeffler@ashrae.org or 678-539-1165 if you have any questions.

ASHRAE AND SCANVAC HVAC COLD CLIMATE CONFERENCE 2023



Anchorage, Alaska
March 6-8
Marriott Anchorage Downtown

A separate Arctic Mini Conference will take place following the Cold Climate Conference. For an additional fee, conference attendees can register to attend this immersive experience in Fairbanks, Alaska, March 9-10, which will include technical tours and presentations.

The HVAC Cold Climate Conference 2023, co-organized by ASHRAE and SCANVAC, will enable engineers, consultants, contractors and building owners to develop and implement design strategies and operating solutions that can be successfully applied in cold climates.



For more information, visit ashrae.org/coldclimates2023

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Unique Challenges & Solutions for Climate Change in Cold & Arctic Communities

The ASHRAE Alaska Chapter warmly invites you to join us in Alaska in March 2023 for two amazing international conferences!

The first conference, the “ASHRAE and SCANVAC HVAC Cold Climate Conference 2023” is being co-organized by ASHRAE and SCANVAC and will be held in Anchorage from March 6-8th. For an additional registration fee, attendees can continue their arctic experience at the “Arctic Mini Conference”, in Fairbanks from March 9th-10th.

The goal of the conferences is for Built Environment engineers, practitioners, researchers, scientists, owners and government officials working in Cold Climate regions to share recent solutions and advancements addressing changes in climate; while experiencing the warmth, hospitality and culture of Alaska.

The technical presentations will provide relevant and practical solutions to handle the challenges of today as well as tomorrow in the Changing Arctic. Our goal is to ensure all attendees leave the conference with new tools and ideas that they can implement in their designs and communities, as well as excitement and inspiration for solutions yet to come.

Come to network with professionals from across the Arctic and learn what other nations are doing in our industry to address these challenges. Now more than ever, it is important for the People of the Arctic to share current Best Practices and collaborate on innovative solutions.

Beyond the technical scope, we Alaskans are known for our hospitality, just as Alaska is known for its natural beauty. We’ve made this conference one that will be remembered for decades!

REGISTRATION IS NOW OPEN!

Dates and Locations:

March 6-8, 2023—Anchorage
March 9-10, 2023—Fairbanks

Conference Venues:

Anchorage:

Marriott Anchorage Downtown

Fairbanks:

Chena Hot Springs Resort

Visit the conference website for information on discounted conference room blocks. For BOTH Venues!

Travel Arrangements:

Visit the conference website for information on traveling to Alaska during the winter.

Conference Website:

ashrae.org/2023hvaccoldclimate

Flyer Contents:

HVACCC 2023 Conference	Page 2
Conference Topics	Page 3
Arctic Mini Conference	Page 4
Sponsorship Opportunities	Page 5
Conference Flyer	Page 8

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



HVACCC 2023—ANCHORAGE, ALASKA

A conference you'll remember for years to come!

Let's Rondy!

- The conference has been strategically scheduled to start immediately after Anchorage's annual winter festival, The Fur Rendezvous (<https://www.furrondy.net/>), and alongside the internationally known Iditarod Sled Dog Race. Most events are within a short walk of the conference hotel.
- An early reception site will be setup prior to the conference for early attendees to access information about "Fur Rondy" events including times and locations for group tours (hosted by our own Alaska ASHRAE chapter members!). You'll also get our conference guide to local restaurants and breweries, outdoor recreational activities, and fun activities around Anchorage.

Sunday Excursion

- Come face to face with Alaskan wildlife at the Alaska Wildlife Conservation Center and then take a tram up to the top of Alaska's premier ski resort, Alyeska, for lunch with an amazing view.

Welcome Reception

- The conference officially begins at the Welcome Reception, held at the Alaska Native Heritage Center where you'll learn about and experience Alaska Native culture including a traditional dance troupe.

Three Days of Technical Sessions:

- The conference in Anchorage will have three separate tracks of technical presentations each day. The presentations will be a mix of technical paper presentations and workshops led by industry leaders and governmental agencies. See the Call for Papers attachment for topics and abstract submission guidelines.
- The conference will be the preeminent Cold Climate HVAC educational learning opportunity of the year bringing together experts from across the Arctic to share their expertise.

And Much More!

- The conference committee is continuing to seek additional technical, educational, and entertainment experiences for the conference. Visit the conference website for updates!



Iditarod Sled Dog Race



Alyeska Ski Resort



Yupik Dancer at the Alaska Native Heritage Center

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



Conference Session Topics

The conference Steering Committee has received a diverse selection of papers for the Anchorage Conference. Presentations and sessions at the conference will focus on, but not be limited to, the following range of topics and subtopics:

Innovation in Equipment and Application

- Impacts of Data Centers Bit Coin Mining on Cold Climates
- Industrial Energy and Resource Development
- Utilities and Infrastructure
- District Heating and Cooling
- Heat Pumps / Heat Recovery
- Biofuel
- Indoor Agriculture

Sustainability and Resiliency

- Smart Buildings
- Energy Conservation
- Thermal Storage
- Decarbonization
- Overheating / Climate Models
- Maintenance and Operations

Building Environments

- Indoor Environmental Quality
- Critical Environments / Airborne Virus Transmission / Cross Contamination
- Building Envelope
- Humidity Impacts on Building Envelope
- Occupant Comfort
- Residential, Commercial, Institutional, Manufacturing
- Healthcare, Assisted Living, Senior Residences, Elder Care Home, Senior Housing Retirement Homes
- Digitalization and Controls
- Unique Locations, Underground Spaces, Walkways, Shopping Centers



“Net-zero energy and sustainability goals pose special challenges for cold climates, climates with large swings in temperature and where ever-changing climate and shifting weather patterns result in colder temperatures in areas where winters are typically mild. Harmonizing human comfort with the climatic realities of these environments is a balancing act, and strategic design is key to building, commissioning and operating efficient and long lasting cold climate structures.”

- Erich Binder, Conference Chair

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



ARCTIC MINI CONFERENCE—FAIRBANKS, ALASKA

For an additional fee, conference attendees can register to attend an immersive experience to Fairbanks, Alaska the day after the conference.

Cold Climate Housing Research Center (CCHRC):

- Attendees will be bussed from the airport for a brief workshop, tour, and lunch at the CCHRC. CCHRC is a part of the National Renewable Energy Laboratory (NREL) and is a leading organization in research and testing of building technologies in cold climates.

Cold Regions Research and Engineering Laboratory Permafrost Research Tunnel:

- Walk 45,000 years into the past to view ice lenses and actual remains of animals and plants preserved by the cold. This is a unique experience, as visiting the tunnel requires special approval from the United States Army Corps of Engineers. Organizing committee member, Dr. Alexander Zhivov, has received initial clearance for this visit.

Chena Hot Springs Resort:

- After the tour of the tunnel, attendees will be bussed to the World-Famous Chena Hot Springs Resort.
- Enjoy a tour of their geothermal driven tri-generation system and Aurora Ice Museum. Relax that evening soaking in the natural hot springs. This location is known for its Aurora Borealis/Northern Lights shows in the winter.

Full Day of Technical Sessions:

- The next morning starts a full day of additional technical presentations held at the Resort. Sessions will include workshops and presentations focusing on design for extreme cold and remote climates, including newly added information in the upcoming second printings of the ASHRAE Cold Climate Design Guide and the ASHRAE Guide for Resilient Thermal Energy Systems Design in Cold and Arctic Climates. This part of the technical session will be supported by CCHRC, University of Alaska Fairbanks staff, and local engineering firms. At the end of that day, attendees can either travel home or continue their Alaskan adventures.



Cold Climate Housing Research Center



Permafrost Research Tunnel



Chena Hot Springs Resort

ASHRAE and SCANVAC HVAC Cold Climate Conference 2023



AN INVITATION TO SPONSOR

The conference organizers are pleased to offer several sponsorship opportunities to engage industry participation.

Sponsors will have their company logo, name on the event flyer, the conference web site and recognition during the conference both in Anchorage and Fairbanks. A summary of the specific benefits of each sponsorship level is provided below.

SPONSORSHIP LEVELS AND BENEFITS	GOLD	SILVER	ZINC	JADE	COPPER
	\$10,000	\$5,000	\$2,500	\$1,000	\$500
Number of Packages Available	Limited	Limited			
Recognition as Gold Sponsor in conference communications	Yes				
Complimentary Registration for Anchorage**	5	3	2	1	
Reception Sponsor – Logo on Reception Signage Boards and leave behinds. (Includes light hors d'oeuvres & one drink ticket)	Yes				
Breakfast Sponsor – Logo on Breakfast Signage Board and leave behinds on chairs		Yes			
Lunch Sponsor – Logo on Lunch Signage Board and leave behinds on chairs	Yes				
Morning or Afternoon Break – Logo on Signage during break			Yes		
Logo on Conference program and website	Yes	Yes	Yes	Yes	Yes
One Time use of Opt-in Conference Attendee Mailing List	Yes	Yes	Yes	Yes	Yes
Information Table***	Yes	Yes	Yes	Yes	

** Conference registration includes light breakfasts, lunches, welcome reception and conference banquet.

***Information Table: One six-foot table and two chairs in foyer of conference meeting area. Sponsor can display information about their company and/or products, as well as have time to interact with conference attendees. Tables are limited in quantity, location prioritized by sponsor level.

For additional sponsorship opportunities and options please email Staci Loeffler at sloeffler@ashrae.org



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Sponsorship Agreement Form

Are you interested in sponsoring the 2023 HVACCC Conference? If so, please complete and sign this form and return by email to Staci Loeffler at sloeffler@ashrae.org.

All sponsors: please send your company logo (300 dpi, either eps, jpeg or tif file) via email to Staci.

Sponsoring Company Name (as you would like it displayed):

Company Contact: _____

Address: _____

City, State, Zip: _____

Country: _____

Phone: _____ Email: _____

Sponsorship Level

I/we agree to sponsor the 2023 HVAC Cold Climate Conference

GOLD (\$10,000)

SILVER (\$5,000)

ZINC (\$2,500)

JADE (\$1,000)

COPPER (\$500)

I/we would like the sponsorship to be designated towards events occurring in

Cold Climate Conference, Anchorage, Alaska

Arctic Mini Conference, Fairbanks, Alaska

Wherever most needed

(Note that Sponsor Recognition occurs at BOTH venues regardless of designation)

By his/her signature below, the individual signing this contract represents and warrants that he/she is duly authorized to execute this binding contract on behalf of the named sponsor.

Signature: _____ Date: _____



AN INVITATION TO SPONSOR

HVACCC 2023: ASHRAE and SCANVAC HVAC Cold Climate Conference

March 6-8, 2023 · Anchorage, Alaska

Payment Due Date

Full payment of sponsorship is due with signed agreement. Please see the next page for information regarding payment for this sponsorship.

Payment Method

Credit Card:

- Visa
- MasterCard
- American Express
- Diners Club

Check:

Make checks payable to 'ASHRAE'

180 Technology Parkway Peachtree Corners, GA 30092

Card Number:

Expiration Date:

Cardholders Signature

Please contact Staci Loeffler at sloeffler@ashrae.org or 678-539-1165 if you have any questions.

ASHRAE AND SCANVAC HVAC COLD CLIMATE CONFERENCE 2023



Anchorage, Alaska
March 6-8
Marriott Anchorage Downtown

A separate Arctic Mini Conference will take place following the Cold Climate Conference. For an additional fee, conference attendees can register to attend this immersive experience in Fairbanks, Alaska, March 9-10, which will include technical tours and presentations.

The HVAC Cold Climate Conference 2023, co-organized by ASHRAE and SCANVAC, will enable engineers, consultants, contractors and building owners to develop and implement design strategies and operating solutions that can be successfully applied in cold climates.



For more information, visit ashrae.org/coldclimates2023