



Newsletter

INAUGURAL CHAPTER MEETING

Don't miss the opportunity to meet ASHRAE president Dennis Knight during the inaugural chapter meeting and seminar on the 18th of November!

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ASHRAE Sweden Student Branch get-together

The Swedish ASHRAE students had a get-together in Stockholm!

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Promoting a Healthy and Sustainable Built Environment in Stockholm

How is Stockholm working towards their goal of becoming carbon neutral by 2045?

[Read more on page 3](#)

Mr. Alexander Cohr Pachai, Life Member ASHRAE

Get to know a little more about the life of ASHRAE Life Member Alexander Corh Pachai, and read about his contributions to refrigeration

[Read more on page 4](#)

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ASHRAE Decarbonization Challenge 2024-2025

Dennis Knight has announced his presidential theme, workforce development and DEI. His plan includes continuing the Decarbonization Challenge Fund, a year-long competitive fund (\$1,000-\$10,000) program to implement decarbonization projects within local chapters that are tied to this year's presidential theme. This program is implemented through the YEA committee with grassroots outreach through the YEA chairs/committees at each chapter.

In order to apply for The Decarbonization Challenge Fund, the primary applicant must be a Full, Associate or Affiliate ASHRAE member. **This program is implemented through the YEA committee with grassroots outreach through the YEA chairs/committees at each chapter.** Click on the link below for more details or to submit an application.

<https://www.ashrae.org/about/yea-decarb-initiative>

See the CEBD website for more information on Building Decarbonization.

<https://www.ashrae.org/about/cebd-center-of-excellence-for-building-decarbonization>

INAUGURAL CHAPTER MEETING

Inaugural Chapter Meeting & Seminar



SAVE THE DATE!

November 18th, 2024

M. Dennis Knight
ASHRAE President

Event Sponsor: 

Proudly Hosted by: 

Join us for the inaugural meeting of the ASHRAE Nordic Chapter, marking a significant milestone in our region's commitment to advancing HVAC&R technologies and practices. This meeting will bring together professionals from across the Nordic countries to discuss the chapter's mission, goals, and upcoming initiatives. Attendees will have the

chance to meet the newly appointed chapter officers, and contribute to shaping the future direction of the chapter. This foundational meeting is an excellent occasion to connect with peers, exchange ideas, and lay the groundwork for a vibrant and impactful ASHRAE community in the Nordic region.

ASHRAE Sweden Student Branch get-together



On August 16, 2024, the ASHRAE Sweden Student Branch had its first in-person meeting in Stockholm. It was also a get-together for the committee members. Shahrzad traveled from Västerås, and Pengju came from Ömeå to join Fransesco and Gavin for the meeting. We enjoyed a dinner together and discussed ideas to get the branch activities started. We also talked about our roles in the com-

mittee and how we can work together. This meeting was a great start, and we are excited about the work ahead and growing our team.



Promoting a Healthy and Sustainable Built Environment in Stockholm

Government Affairs Committee

Stockholm, the capital of Sweden, has long been a beacon of sustainability and innovation. As the city continues to grow, the provincial government is increasingly focused on ensuring that this growth is both healthy and sustainable for all its residents. This commitment is evident in various government affairs activities aimed at creating a built environment that promotes well-being, environmental stewardship, and inclusivity.

Government Initiatives and Policies

The provincial government of Stockholm has implemented several key initiatives to foster a healthy and sustainable built environment. One of the cornerstone policies is the Stockholm Environmental Program, which outlines ambitious goals for reducing greenhouse gas emissions, increasing energy efficiency, and promoting green building practices. This program is aligned with the broader national objectives of Sweden to achieve carbon neutrality by 2045¹.

Another significant initiative is the Green Space Strategy, which aims to ensure that all residents have access to parks and natural areas. This strategy not only enhances the quality of life but also supports biodiversity and helps mitigate the urban heat island effect. The government is also investing in sustainable transportation options, such as expanding the network of bike lanes and improving public transit infrastructure².

Community Engagement and Collaboration

A key aspect of Stockholm's approach to

sustainability is the emphasis on community engagement and collaboration. The provincial government actively involves residents, businesses, and other stakeholders in the planning and implementation of sustainability projects. Public consultations and workshops are regularly held to gather input and foster a sense of ownership among the community.

One notable example is the Stockholm Royal Seaport project, a large-scale urban development initiative that aims to create one of the world's most sustainable urban districts. This project is a collaborative effort involving the government, private sector, and local residents. It features energy-efficient buildings, renewable energy sources, and extensive green spaces³.

Challenges and Opportunities

Despite the progress, Stockholm faces several challenges in its quest for a healthy and sustainable built environment. One of the primary challenges is balancing urban growth with the preservation of natural areas. As the city expands, there is a risk of encroaching on green spaces and disrupting local ecosystems. The government is addressing this issue by implementing strict land-use regulations and promoting vertical growth to minimize the urban footprint¹.

Another challenge is ensuring that sustainability efforts are inclusive and benefit all residents, regardless of socioeconomic status. The provincial government is committed to addressing this by incorporating social equity considerations into its policies and programs. For instance, affordable housing projects are

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Over 40 Society Scholarships Available!

Through its Society Scholarship Program, ASHRAE seeks to motivate students worldwide to pursue an engineering career in the HVAC&R field that will further promote sustainable technology for the built environment. Scholarships range from \$3,000 to \$12,500 and awarded for the academic year following the application deadline beginning with the fall semester. Qualified students are encouraged to apply at Scholarship Program (ashrae.org). ASHRAE is currently accepting applications for our Undergraduate Engineering, Engineering Technology, Regional/Chapter, & University-specific Scholarships. The deadline for applications and supporting materials is December 1st. For additional information, please contact:

scholarships@ashrae.org.

CEBD - Center of Excellence for Building Decarbonization

Join Us on the Journey to Zero!

Building owners, government jurisdictions and industry professionals around the world are responding to accelerating climate change and recognizing that building decarbonization is a significant component to their efforts. The worldwide building sector accounts for about 40% of energy-related carbon emissions and the global building stock is predicted to double by the year 2060.

Are you interested in participating in projects on decarbonization? If so, please send an email to:

decarb@ashrae.org

Chapter Leadership Academy ASHRAE Headquarters

Atlanta, GA January 10-11, 2025

Chapter Leadership Academy is a crash course designed to simplify the learning curve of all things ASHRAE for chapter leaders. Over the course of a day and a half, attendees will gain a better understanding of how ASHRAE Society functions and obtain useful and practical knowledge essential for honing leadership skills. The program will also include sharing tips and best practices that attendees can confidently take back to their Chapters for implementation. Attendees help shape the discussion, too! A significant part of 3 the program will be based on hot topics and challenges that attendees have identified that they would like to see addressed. Topics covered include:

- Creating your elevator speech
- Navigating the ASHRAE organizational structure
- Understanding all the tools and resources available to help Chapters and their members succeed
- Managing effective meetings so that Board meetings and Chapter meetings can run as smoothly as possible
- Delegating to and motivating volunteers towards the ASHRAE mission

NEW! Thanks to generous support from the ASHRAE Foundation, each region can send up to 4 participants. Flight, hotel, food, and class materials are included. Other expenses incurred are at the expense of the region, chapter, or individual.

Notify your DRC or RMCR by October 11th if you are interested in participating.

Promoting a Healthy and Sustainable Built Environment in Stockholm

being designed with sustainability features to ensure that low-income residents also benefit from a healthy living environment².

Future Outlook

Looking ahead, the provincial government of Stockholm is poised to continue its leadership in sustainability. Upcoming projects include the expansion of the Eco-Districts initiative, which aims to create neighborhoods that are self-sufficient in energy and resources. Additionally, the government plans to enhance its climate resilience efforts by investing in infrastructure that can withstand extreme weather events³.

In conclusion, Stockholm's provincial government is making significant strides in promoting a healthy and sustainable built envi-

ronment for all. Through a combination of innovative policies, community engagement, and a commitment to inclusivity, Stockholm is setting a benchmark for other cities to follow. As these efforts continue to evolve, the city is well on its way to achieving its vision of a sustainable future.

1: Stockholm+50 issues call for urgent environmental and economic transformation.

2: Stockholm+50 opens with calls to accelerate action for a healthy planet and prosperity for all.

3: As Humanity's Environment Footprint Becomes Increasingly Unsustainable, Global

Mr. Alexander Cohr Pachai, Life Member ASHRAE

Historical Committee

Alexander Cohr Pachai, a distinguished engineer, has made significant contributions to the field of refrigeration technology over his extensive career. Latest serving as a senior engineer and technology manager at the Sabroe Factory in Denmark, part of Johnson Controls, Pachai's journey in the refrigeration industry began in 1978 as a refrigeration technician apprentice. Now retired, he is still active as an independent consultant.

Early Career and Innovations

Pachai's early career was marked by his involvement in various disciplines within the refrigeration sector, including education, sales, marketing, production, design, innovation, and communication. His diverse experience laid a strong foundation for his future achievements. One of his notable early contributions was his involvement in the sales of the first CO₂ cascade systems in Denmark and New Zealand, showcasing his commitment to advancing environmentally responsible refrigeration solutions.

Leadership and Recognition

Throughout his career, Pachai has been recognized for his leadership and innovative contributions. He has played a pivotal role in developing compressor technologies for ammonia, hydrocarbons, carbon dioxide, and water in-



dustrial systems. His work has not only focused on technological advancements but also on promoting the use of natural refrigerants, which are crucial for sustainable and environmentally friendly refrigeration systems.

In recognition of his outstanding contributions, Pachai was awarded the prestigious J&E Hall Gold Medal in 2023. This award, given by the Institute of Refrigeration, honors individuals who have made noteworthy contributions to the advancement of refrigeration and related technologies. Pachai's receipt of this award places him among the ranks of other refrigeration greats, such as Prof. Gustav Lorentzen and Dr. Mark McLinden.

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Mr. Alexander Cohr Pachai, Life Member ASHRAE

Contributions to Industry Standards and Education

Pachai's influence extends beyond his technical achievements. He has been an active member of various industry organizations, including the International Institute of Refrigeration (IIR) and the United Nations Environment Programme (UNEP). As the chair of the IIR Safety Working Group, he has contributed to the development of safety standards and guidelines for the refrigeration industry. Additionally, he has served as the lead author for the chapter on industrial refrigeration and heat pump systems in UNEP's technical options report, further demonstrating his expertise and commitment to knowledge sharing.

Mentorship and Advocacy

Pachai's dedication to the refrigeration industry is also evident in his efforts to mentor and educate the next generation of engineers. He has been a

frequent presenter at conferences and workshops, sharing his knowledge and insights with peers and aspiring engineers. His advocacy for the use of natural refrigerants and sustainable practices has influenced industry standards and encouraged the adoption of environmentally friendly technologies.

Conclusion

Alexander Cohr Pachai's career is a testament to his unwavering commitment to innovation, sustainability, and education in the refrigeration industry. His contributions have not only advanced refrigeration technology but have also set new standards for environmental responsibility and safety. As a leader, mentor, and advocate, Pachai continues to inspire and shape the future of refrigeration engineering.

Exploring career opportunities with the ASHRAE job board

The ASHRAE Job Board is a premier platform for professionals in the fields of heating, ventilation, air conditioning, and refrigeration (HVAC&R). Whether you are an engineer seeking new opportunities or an employer looking for top talent, the ASHRAE Job Board offers a comprehensive and user-friendly experience.

For Job Seekers

Personalized Job Search: The ASHRAE Job Board allows engineers to create personal accounts to manage their job searches efficiently. Users can upload resumes, set up job alerts, and apply for positions directly through the platform.

Diverse Opportunities: The job board features a wide range of positions, from entry-level roles to senior management positions, across various specializations such as mechanical, electrical, and civil engineering. Recent listings include roles like HVAC Sales Engineer, Building Automation Systems Engineer, and Senior Commissioning Project Engineer.

Career Resources: Beyond job listings, the ASHRAE Job Board provides valuable re-

sources to help job seekers enhance their careers. This includes resume writing tips, interview preparation guides, and access to career coaching services¹.

For Employers

Efficient Recruitment: Employers can set up corporate accounts to post job openings, review resumes, and manage their recruitment processes. The platform is designed to connect employers with highly qualified candidates in the HVAC&R industry¹.

Targeted Listings: By posting on the ASHRAE Job Board, employers can reach a niche audience of professionals who are specifically interested in HVAC&R careers. This targeted approach ensures that job postings attract the most relevant candidates¹.

Comprehensive Support: The job board offers various tools and services to assist employers in their recruitment efforts, including job posting packages and access to a database of resumes.

Visit: <https://jobs.ashrae.org/>

GroupPay

The GroupPay program is designed to allow for an easy payment from a single invoice for all employees within an organization. Memberships are still individual to the employee and cannot be transferred within the organization. A primary contact at the organization must be identified and will have access to a special online portal to view employee members and select which ones they wish to be invoiced for. If employees have left the organization, the primary contact can remove them from the list.

The Primary Contact can view the annual complimentary selected benefit for their employees.

Chapter dues may be paid alongside Society dues for the group or left up to the individual to pay directly to the Chapter.

The Organization can benefit from 10% off the full dues rate when 5 or more employees join as a new member at once. Current dues rate will be charged for renewals.

Email GroupPay@ashrae.org to get started.

About

ASHRAE Nordic Chapter is a local branch of ASHRAE, a global society founded in 1894. ASHRAE's mission is to advance human well-being through sustainable technology for the built environment. With more than 50,000 members from over 132 nations, ASHRAE is an engineering organization dedicated to advancing the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world. The organization contributes to shaping tomorrow's built environment through research, standards writing, publishing, certification, and continuing education. The geographic area covered by ASHRAE Nordic Chapter is Denmark (Faroe Islands and Greenland), Iceland, Norway, Finland (Åland), and Sweden.

Just Launched! ASHRAE Data Center Resources



An essential resource for professionals in data center design and operations! Stay up to date with the latest in standards and guidance. This page includes resources such as the revised ANSI/ASHRAE Standard 90.4-2022, which focuses on energy efficiency in data centers and the inclusion of new resources, like ASHRAE eLearning courses and updated chapters from the ASHRAE Handbook, that reflect ongoing advancements in the field. Stay compliant and improve sustainability in data center design and operations.

The TC 9.9 Datacom Encyclopedia covers critical topics such as cooling technologies, energy efficiency, environmental guidelines,

and facility design. Authored by ASHRAE Technical Committee 9.9, these publications provide in-depth, up-to-date knowledge that helps optimize data center performance and sustainability.

Whether you're looking to improve energy efficiency or explore the latest in liquid cooling, the Datacom Encyclopedia offers comprehensive guidance.

<https://www.ashrae.org/technical-resources/bookstore/datacom-series>

Upcoming events

Date	Type of	Location	Event
Nov. 18	Physical	Denmark	Inauguration Chapter Meeting, 2024-25 ASHRAE President M. Dennis Knight
Nov.	Virtual	N/A	Student Meetings: Students as Speakers

Next Chapter Meetings

November 6, 2024 — Students as Speakers, Francisco Beltran V. Varela

February 2025 — Field Trip

March 2025 — Students as Guests

April 2025 — Joint Meeting

May 2025 — Annual Chapter Meeting

June 2025 — University Research

Visit:
www.linkedin.com/company/ashrae-nordic

