



*Technology for a Better Environment*

**ASHRAE SINGAPORE CHAPTER**

159 Sin Ming Road #07-02 Lobby 2 Amtech Building, Singapore 575625

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25th July 2023

Dear Sir/Madam,

**History of HVAC&R in Singapore and ASHRAE Singapore Chapter**

We are embarking a coffee-table book publication on the History of Heating, Ventilation, Airconditioning and Refrigeration (HVAC&R) in Singapore and the contributions of the ASHRAE Singapore Chapter. We intend to launch this book in our ASC Annual Dinner 2024.

The book production objectives:

- a) To record and share with general public on the experience and knowledge on the air-conditioning and refrigeration development in Singapore, from equipment suppliers, contractors, consultants, developers and Governmental agencies.
- b) To inspire professional and students to appreciate the HVAC&R design and technologies, and its important roles in resolving the Global Warming and Climate Change challenges.
- c) To recognise the roles and contributions to the HVAC&R industry by the ASHRAE Singapore Chapter

We hope that this project will create a sense of awareness and interest in this segment of the history of Singapore. The provisions of air-conditioning and refrigeration have often been taken for granted - almost everywhere we need air-conditioning comfort and refrigeration in our life-style, homes, offices, shopping complexes, food supply chain, transport, etc.

Our Senior Minister Lee Kuan Yew gave his vote on the most influential innovation of this millennium to: the humble air-conditioner (Article published on 18 Jan 1999 in the Asian Wall Street Journal).

We would like to seek your kind support through contributing valuable knowledge and current information of the history of HVAC&R systems and products, and initiatives towards Sustainability and Resiliency in Singapore by your company. Request you to provide us one pager of your company's journey contributing to the history of Singapore HVAC development and your future outlook.

Please do not hesitate to contact either myself or our sub-committee 'History of HVAC&R and ASC' Chairman Mr David Lau, and we shall further discuss to make this project a success.

On behalf of ASHRAE Singapore Chapter, we thank you in advance for your kind support and look forward to your contributions.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Praveen".

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Praveen Hassan Chandrashekar  
President 2023-2024  
ASHRAE SINGAPORE CHAPTER

A handwritten signature in black ink, appearing to read "David Lau".

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'History of HVAC&R and ASC'  
Chairman Mr David Lau

### **Additional Information**

- (1) The scope covers:
  - a) Short history on air-conditioning and refrigeration technologies
  - b) Scenes to show its impact in our daily lives in Singapore
  - c) Trends of air-conditioning use:
    - i. Statistics - Air-conditioning and refrigeration trades, economic growth due to air-conditioning and refrigeration, home installations, air-conditioning provision in transportation, refrigeration in supply chain, etc.
  - d) Chronological development in Singapore, since 1940s to present
  - e) Concerns in our indoor and outdoor air quality environments:
    - i. E.g. IAQ, haze, legionnaire, temperature too cold in offices, water and energy wastage, and noise.
  - f) Future challenges in air-conditioning and refrigeration including sustainability and decarbonization of built environment.
  - g) Essays on the equipment/systems' historical designs and installations