



November Newsletter Our 101st year!

November 29, 2022- Vol 70, Issue 2

ASHRAE Toronto Membership Promotion Outreach at the Association of Filipino-Canadian Engineers' (AFCE) Annual General Meeting

September 16, 2022, Toronto



The Association of Filipino-Canadian Engineers' (AFCE) was originally founded in 2003 and aims to make connections among Filipino engineering professionals living in Canada. ASHRAE Toronto Membership Promotion Outreach's objective at this event was to introduce and promote ASHRAE to AFCE and to familiarize their members and guests with the ASHRAE Society and its contributions. Representing ASHRAE Membership Promotion were Tina Abbasi, Membership Promotion Committee Member, Adewumi Adepoju, Chapter Technology Transfer Committee Co-Chair and Badri Patel, ASHRAE Toronto Chapter Secretary.



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Executive Board Of Governors:

Badri Patel effectively delivered a “This is ASHRAE” presentation focusing on what ASHRAE does, its core values, and its benefits to members. After the presentation, we showed some interested attendees how to follow ASHRAE on different social media platforms and how to stay up to date with news on ASHRAE's activities. Event panellists were Orontes Castro, Philippine Consul General, Gregory Wowchuk, P.Eng., PEO Vice President, Gil Galang, AFCE President and Badri Patel.

While ASHRAE can be a great place for professionals in the industry, it is also largely beneficial for newcomers to Canada and recent graduates. Immigrants who are internationally trained engineering professionals receive our assistance in getting to know people in the industry and using resources that are available within ASHRAE. I'm thrilled I was part of this event and am looking forward to more outreach events with various engineering communities!

Tina Abbasi

Membership Promotion Committee Member



DECEMBERFEST!

IT'S THAT TIME OF THE
YEAR!

DECEMBERFEST

ASHRAE Toronto Chapter is pleased to host this night of drinks and socializing with industry peers. Feel free to bring your spouse, family, friends and clients.

Lost Craft is a Toronto-based craft beer company that focuses on brewing world-class session-style craft beer.

Space is limited. Reserve your spot before it's too late!

[REGISTER HERE](#)

Your registration includes Hors D'oeuvres and 2 drink tickets.

Date: Thursday, December 8th, 2022

Time: 6 PM

Venue: Lost Craft Brewery

837 Runnymede Rd, Toronto, ON M6N 3V

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Winter Conference



Join us in Atlanta, Georgia from February 4-8 for the most anticipated HVAC&R industry event of the year. Reconnect with colleagues, explore the AHR Expo, and chose from 80+ technical sessions addressing critical industry issues.
Register

ASHRAE Certifications

Explore Our Building Design Certifications Which one is right for you?

Building Design

**Building Energy
Modeling Professional
(BEMP) / Certified
HVAC Designer
(CHD) / Healthcare Facility
Design Professional
(HFDP) / High-Performance
Building Design Professional
(HBDP)**



Building Performance

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Commissioning
Professional (BCxP) /
Building Energy
Assessment
Professional (BEAP)**



Building Operations

**Operations &
Performance
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Professional
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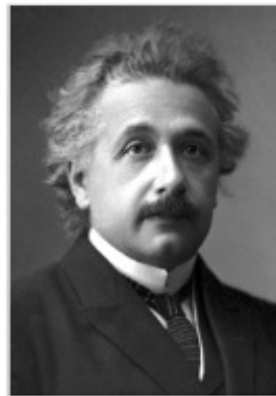


The History Committee Presents:

"Shoulders of Giants" Featuring



Szilard c. 1960



Einstein's official portrait
after receiving the 1921
Nobel Prize in Physics

1926 Einstein-Szilard Pumpless Absorption Refrigerator

- Leo Szilard was born on Feb 11, 1898, in Budapest, Hungary, and died May 30, 1964
- Albert Einstein was born March 14, 1879, Ulm, Germany, and died April 18, 1955
- Leo Szilard was a student of Albert Einstein at Humboldt University of Berlin
- Szilard and Einstein invented a “pumpless” household refrigerator with no moving parts in 1926
- Awarded US patent for their refrigerator in 1930
- A 2nd variant utilized tap water pressure to drive the process
- A 3rd variant utilized an electromagnetic pump
- The inventions did not succeed in the market, due to the economic depression, demonstrations of freon as a “safe” new refrigerant, and one of their designs was noisy
- However, a similar concept is used in RV fridges, and portable vaccine coolers which are under development for remote locations.

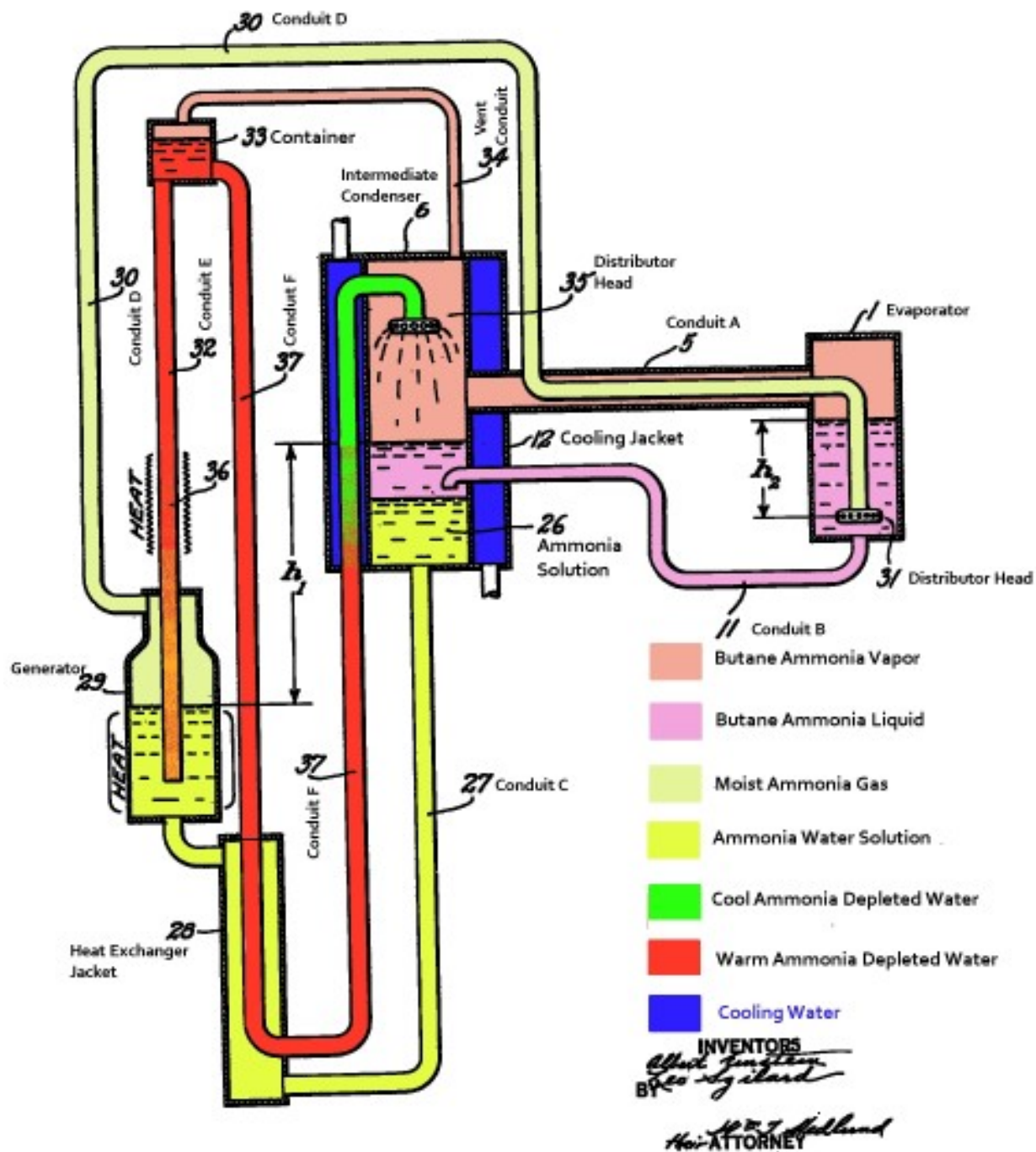


Figure 1. Einstein-Szilard Absorption Refrigerator

John Cusato
 History Committee Chair

Budding Scientist (2019, Aug 16). *How does Albert Einstein's Refrigerator Work? Invention that shook the world documentary* [Video]. YouTube. <https://www.youtube.com/watch?v=pQX3tsPDQQc>

Our Own Devices (2020, May 9). *Einstein's Fridge* [Video]. YouTube. <https://www.youtube.com/watch?v=NpwyU96budw>

