



Honoring Ken Hover

ACI Spring 2024

Cesar Chan

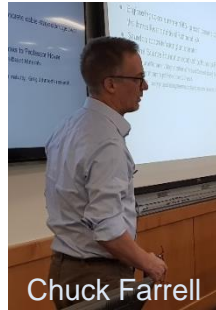
Honoring Ken Hover, Ithaca (Jun 2023)



Walid Najjar



Chris Tull



Chuck Farrell



Vince Sagan



Kumar Natesaiyer



Kevin Folliard



Scott Burlingame

Former students (1980's to 2010's)



Cesar Chan



Nathan Harris



ChangHoon Lee



Bruno Fong-Martinez



Weekend of celebrations



Honoring Ken Hover, Ithaca (Jun 2023)

Time dependent effects....



2007



2023



Brief Bio of Myself

- BAsC, MASc – University of British Columbia (1996, 1998)
- Materials Engineer – AMEC
 - P.Eng. BC (2002)
- PhD – Cornell University (2006)
- USG Corporation
 - Researcher, Cement & Gypsum Labs (2006-2014)
 - R&D Director, USG Boral APAC JV (2014-2022)
 - Director, Product Stewardship (2022-present)



Research at Cornell: Freeze-Thaw Durability of SRW

Segmental Retaining Walls (SRW)

Challenges:

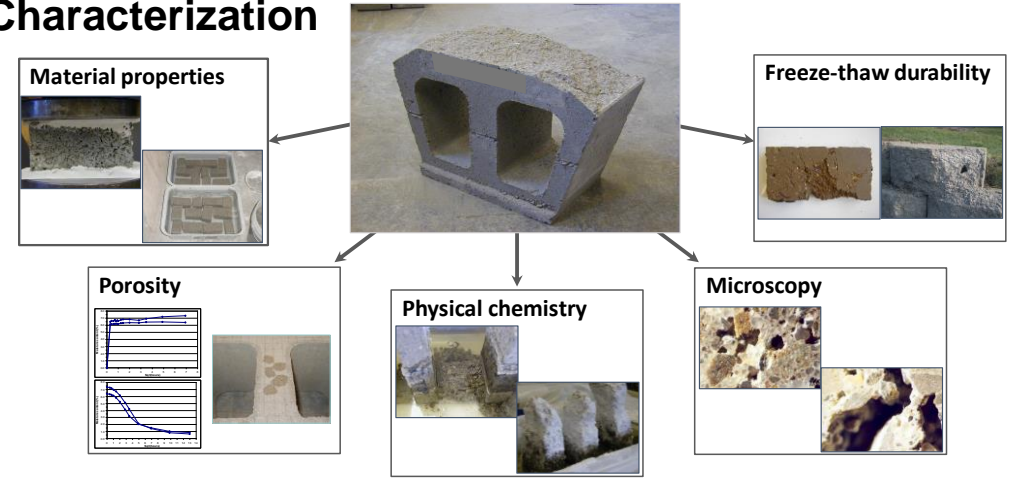
- Various types of damage in the field
- Rapid deterioration under F/T
- Variations in ASTM C 1262 F/T testing



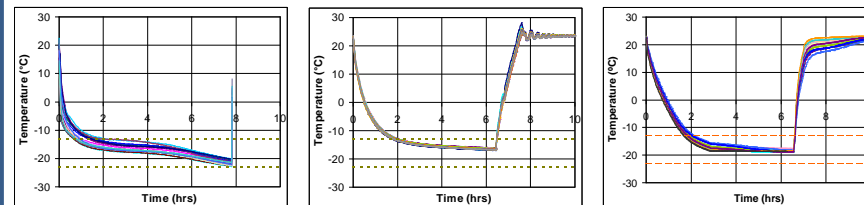
Accomplishments:

- Became professional "*freezerologists*"
- Reduced variations through revised ASTM C 1262
- Fundamental learnings for high porosity concrete

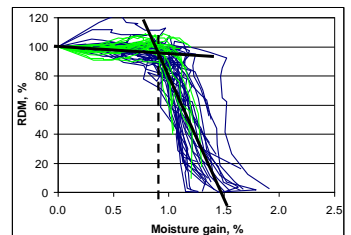
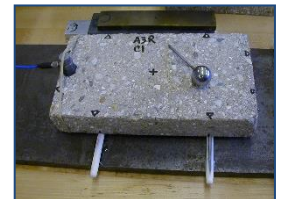
SRW Characterization



Freezer Assessments



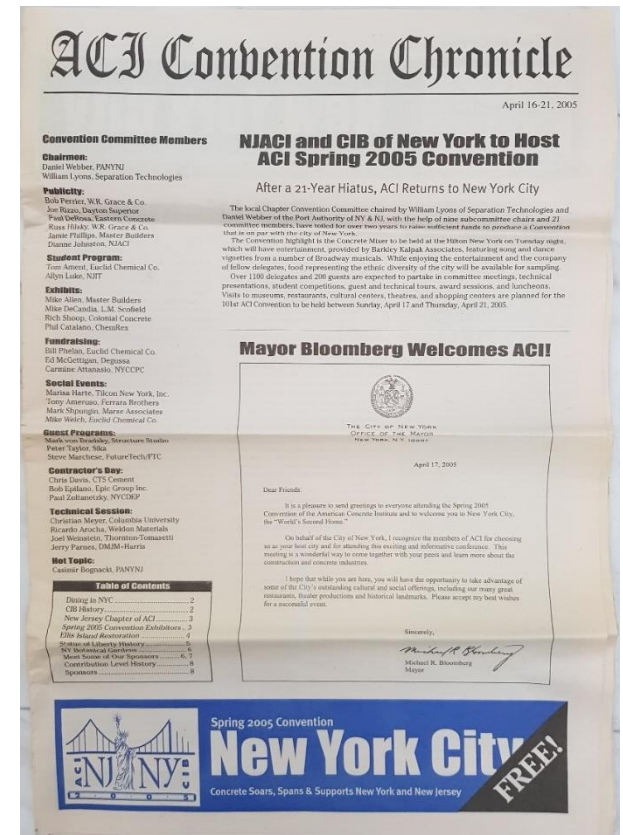
Damage Studies





Memorable Experiences

- Papers, papers, papers
- My First ACI: Spring 2005, NY
- Meetings & Conventions:
 - NIST workshop
 - CONMAT conference
 - NCMA conventions (National Concrete Masonry Association)





A Genuine Leader and Inspiration

Attentive

Curious

Empathic

Humble

Agapone

