Welcome to the Spring 2024 Technical Chair Breakfast

Introduction, Del Bloem Winners, Incoming and Outgoing TAC Members and Chairs

Tony Nanni, *ACI President*

Delmar L. Bloem Service Award Winners

Delmar L. Bloem Distinguished Service Award

Peter Barlow

"for outstanding leadership of ACI Committee 546, Repair of Concrete; and ACI Innovation Task Group (ITG) 93-11, Statistical Techniques for Assessment of Existing Concrete Structures"

Delmar L. Bloem Distinguished Service Award

Michael C. Brown

"for outstanding leadership of Joint ACI-ASCE Committee 343, Concrete Bridge Design"

Delmar L. Bloem Distinguished Service Award

Thomas Schumacher

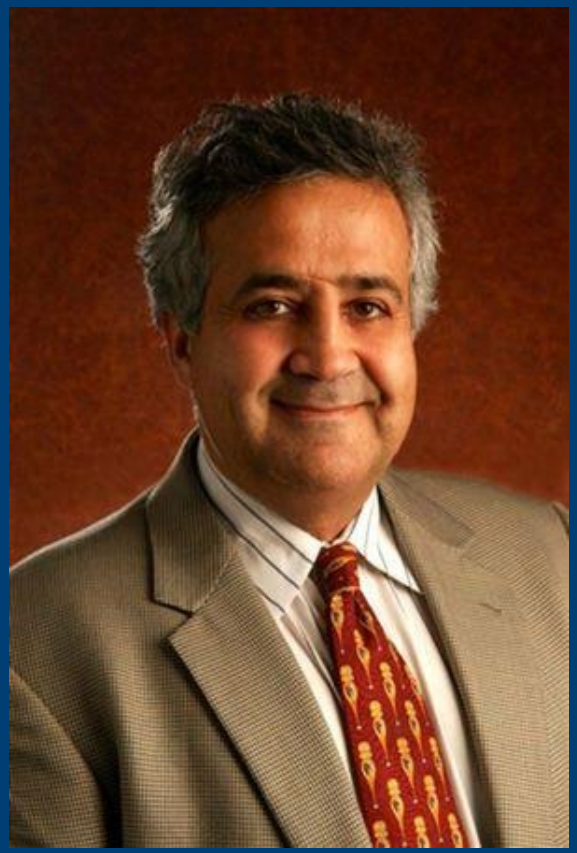
"for outstanding leadership of ACI Committee 444, Structural Health Monitoring"

Incoming and Outgoing TAC Members

Outgoing TAC Member

Kamal Khayat

Outgoing TAC Member



Barzin Mobasher

Incoming TAC Member

Corina-Maria Aldea

Incoming TAC Member

Chris Ferraro

Incoming and Outgoing Chairs

Incoming Committee Chairs

Alec Zimmer	130	Brett Reid	311
Leonardo Garcia	131	William Thrasher	329
Stacia Van Zetten	134	Andrew Minogue	350
Karthik Obla	214	Jose Pacheco	365
Miguel Angel Vicente	215	Mark Kenneth	370
Thomas Schumacher	228	Matthew Gombeda	377
Doug Hooton	233	Nathan Westin	408
Lisa Burris	240	Robert Barnes	423
Maria Konsta	241	Brock Hedegaard	444
Robert Thomas	242	John Kevern	522
Justin Torkilson	304	Kimberly Waggle Kramer	551

Outgoing Committee Chairs

Sean Monkman	130	Tracy Grover	311
Michael Hernandez	131	J. Scott Keim	329
Loyd Keller	134	Kevin Monroe	350
Rachel Detwiler	214	Kyle Stanish	365
Martin Noel	215	Ganesh Thiagarajan	370
John Popovics	228	Ying Tian	377
Henry Prenger	233	Remy Lequesne	408
Joseph Thomas	240	Jeffery Volz	423
Mahmoud Reda Taha	241	Thomas Schumacher	444
Mary Christiansen	242	Norbert Delatte	522
Will Squyres	304	Andrew McPherson	551

Summary of Revisions to the 2024 TCM and Editorial Board Updates

Kamal Khayat, *TAC*

TCM Update

Section 2.3.4—Convention Committee Meetings

Updated to include the current process for convention meetings.

ACI Staff will reach out to all committee chairs before each Convention to confirm the committee meeting day and time.

Staff will do their best to try and accommodate a change request and chairs will be notified of their committee meeting confirmation once scheduled.

TCM Update

Section 4.2.6 Coordination of ACI Standards

Section was expanded to define and list core codes and non-core codes.

A core code is defined as any code directly referenced by an SDO or authority having jurisdiction. Codes will work in a synchronized manner based on how they are adopted by a core code.

Non-core codes should be referenced by core codes in either code or commentary, whenever applicable.

TCM Update

Section 6.2.6.1 Scope

Updated to address scopes in single-item specifications

Examples are given to clarify how the scope should be for single-item specifications. The objective is to avoid conflicting requirements if ACI specifications with overlapping scope are referenced in Contract Documents.

ACI Journal Editorial Boards Update

ACI Structural Editorial Board

- Michael Kreger, Editor-in-Chief, University of Alabama
- Catherine French, University of Minnesota
- Mary Beth Hueste, Texas A&M University
- David Sanders, Iowa State University
- Gustavo Parra-Montesinos, Univ. of Wisconsin–Madison

ACI Materials Journal Editorial Board

- W. Jason Weiss, Editor-in-Chief, Oregon State University
- Liberato Ferrara, Polytechnic University of Milan
- Zachary C. Grasley, Texas A&M University
- Shiho Kawashima, Columbia University
- Kamal H. Khayat, Missouri University of Science & Technology

ACI Journal News

- 2017 ACI transitioned to have editorial boards
- New Items Introduced: Special Issues, Page Length 10-12K, AI policies, Dual Units
- ACI has a phenomenal search engine
- ACI papers are available to student members
- Reduced times to publication SJ (11.2 to 8.0), MJ (9.0 to 6.7) months
- Impact Factor Increased -SJ (1.24 to 1.88), MJ (1.22 to 1.83)
- ACI articles will appear more in the concrete smart brief
- Early online access to new information

Special issues are an important component of the *ACI Materials and Structural Journals*. Special issues serve to highlight timely research topics and emerging trends within these disciplines.

Upcoming Special Issues

Learn more about upcoming special issues through the Call for Papers portal.

Recent Special Issues

Materials Journal—V. 120, No. 1, Jan. 2023, Role of Concrete and Cement-Based Composites in Sustainability and Resiliency

Materials Journal—V. 118, No. 6, Nov. 2021, Advances in Rheology and Additive Manufacturing

Past Special Issues

− 2020

Materials Journal—V. 117, No. 6, Nov. 2020, Computational Modeling

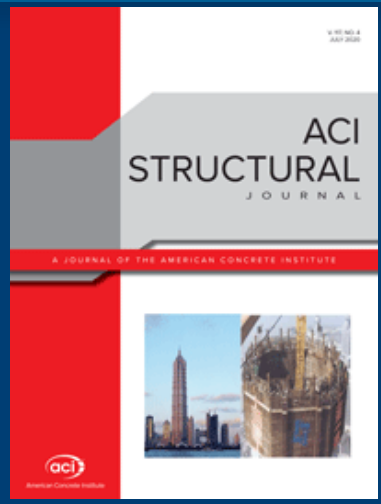
− 2019

Materials Journal—V. 116, No. 5, Sept. 2019, Chlorides

Materials Journal—V. 116, No. 4, July 2019, Pozzolans

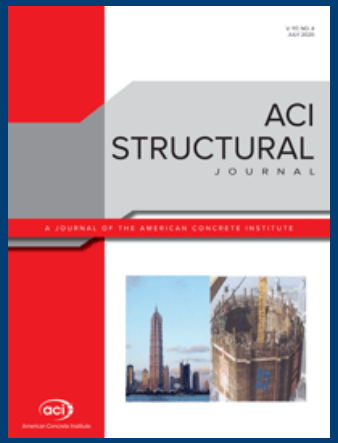
ACI Journal Review Process Update

- The journal review process has been evaluated
- The conventional ACI review process will be updated
- The major change involves the introduction of associate editors, as is done in many other journals, to help manage the reviews and interpret them
- AEs may call on you to help review – pls help them
- The goal is that this will help to improve the review while maintaining the improved time to publishing
- Implementation has started and will fully be implemented in the Spring of 2024



Introducing the Associate Editors and Updated Boards

- **SJ – Associate Editors**
- Robert Vollum
- Sarah Orton
- Sriram Aaleti
- Min-Yuan Cheng
- Jose Pinchiera
- Adam Lubell
- Shih-Ho (Simon) Chao
- Sergio Brena
- Adolfo Matamoros
- Abdeldjelil (DJ) Belarbi
- Maria Anna Polak
- Damon Fick
- Remy Lequesne
- Laura Lowes



SJ-Editorial Board

- Michael Kreger, EIC
- Mary Beth Hueste
- David Sanders
- Gustavo Parra-Montesinos
- Robert Barnes

- **JM – Associate Editors**
- Christopher Shearer
- Prannoy Suraneni
- Dimitri Feys
- Lisa Burris
- Sulapha Peethamparan
- Yaghoob Farnam
- Ali Ghahremaninezhad
- Sriramya Nair
- Anol Mukhopadhyay
- Tara Cavalline
- Kejin Wang
- Narayanan Neithalath
- Laura Dalton
- Matt Adams

MJ-Editorial Board

- Shiho Kawashima, EIC
- Liberato Ferrara
- Zachary C. Grasley
- Burkan Isgor
- Raissa Ferron

ACI Staff – John Glumb and Lauren Mentz (Managing Editor)

Code Advocacy and ACI Committee Work

Steve Szoke, *ACI Code Advocacy Engineer*

ICC Code Development – 2027 I-Codes

Step	Group A Fire, Egress, Wildland Fire, Swimming Pools	Group B General, Structural, Residential, Existing Building
Submittal Deadline	**Jan 8 2024**	**Jan 10 2025**
Committee Action Hearing #1	**Apr 7 – 16 2024**	**Apr 27 – May 6 2025**
Committee Action Hearing #2	**Oct 23 – 31 2024**	**Oct 22 – 30 2025**
Public Comment Hearing	**Group A and B: April 19 – 28, 2026**	

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ICC Group A ≈ 1020 Proposals
Relevance to ACI Committee Work

ICC Committee	Relevant	Not Relevant	Watch
Administrative	0	1	0
IBC – Egress	0	139	0
IBC – Fire Safety	**9**	**100**	**35**
Fire	0	282	0
Fuel Gas	0	12	0
Mechanical	0	99	0
Plumbing	0	199	0
IRC – Mechanical	0	10	0
IRC – Plumbing	0	13	0
Private Sewage	0	2	0
Wildland Interface	**0**	**55**	**22**
Swimming Pool	**2**	**31**	**0**

ICC Group A – ACI Proposals

- Degree of Restraint for Fire Performance
- Add Steel to Concrete Data Due to Addition of 440
- Reference ACI/TMS 216.1 for Steel Tubes and Steel Column Protection
- Reference ACI/TMS 216.1 for Precast Concrete
- Permit ACI/TMS for Prescriptive Details

ICC Group B – Planned Proposals

- ACI 318 – Administrative Update
- ACI 332 – Administrative Update
- GFRP Reinforced Concrete Foundation Walls
  (Transcribe MNL 7 Tables into IRC)
- ITG 12 – 3D Printed Walls
  (Tabular Design in IRC)
- Others TBD – October 2024
  IBC Structural and General
  IRC Building
  IEBC

NFPA 5000 Proposals

- ACI 122.1 – Thermal Bridges
- ACI 122.2 – Thermal Properties (Commercial)
- ACI 122.3 – Thermal Properties (Residential)
- ACI 440.11 GFRP
- NRMCA 100 (formerly PCA 100)
- Slabs-on-Ground - Language

References in Standards

- ASCE 24 on Flood Resistant Construction

  543R Concrete Piles
- NFPA 59A Storage of LNG

  376 RLG Containment
- DOT Pipeline Hazard Materials Safety Admin

  376 RLG Containment
- ASHRAE 189.1 Green Buildings

  323 Low Carbon Concrete
- ASHRAE 90.1 and IECC

  ACI/TMS 122.1, 122.2, and 122.3

References in Standards and Rules

- ASCE XX on Foundations

  207 – Mass Concrete
  336 – Drilled Piers
  351 – Equipment (Dynamic/Static)
  360 – Slabs on Ground
  543 – Concrete Piles

- ICC 1155 Low-Carbon Alternative Cements

  323 Low Carbon Concrete

- ICC 1500 Standard for Existing Building Safety Inspections

  222- Corrosion
  228 Nondestructive Testing
  364 - Rehabilitation
  546 – Repair
  562 – Repair Code

Thank you!

Steve Szoke

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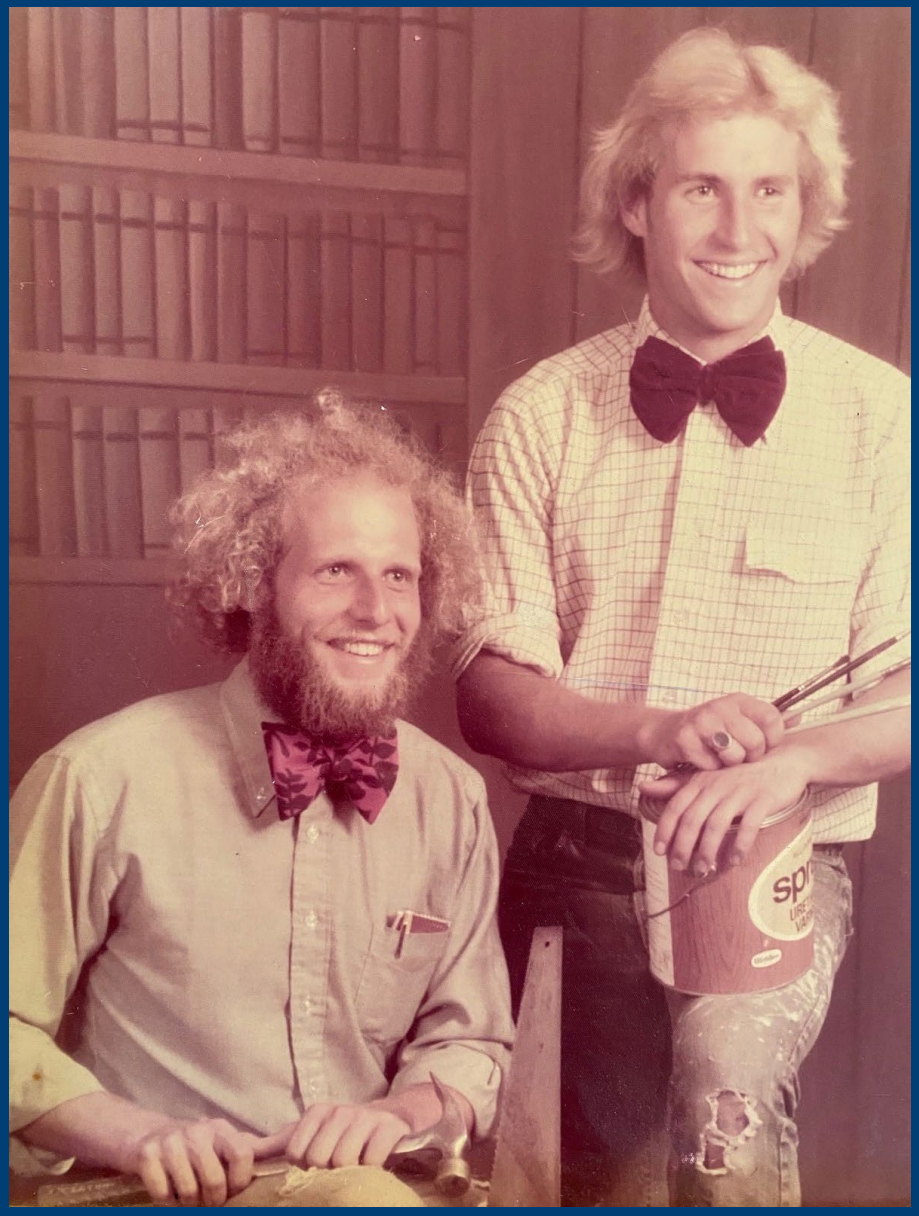
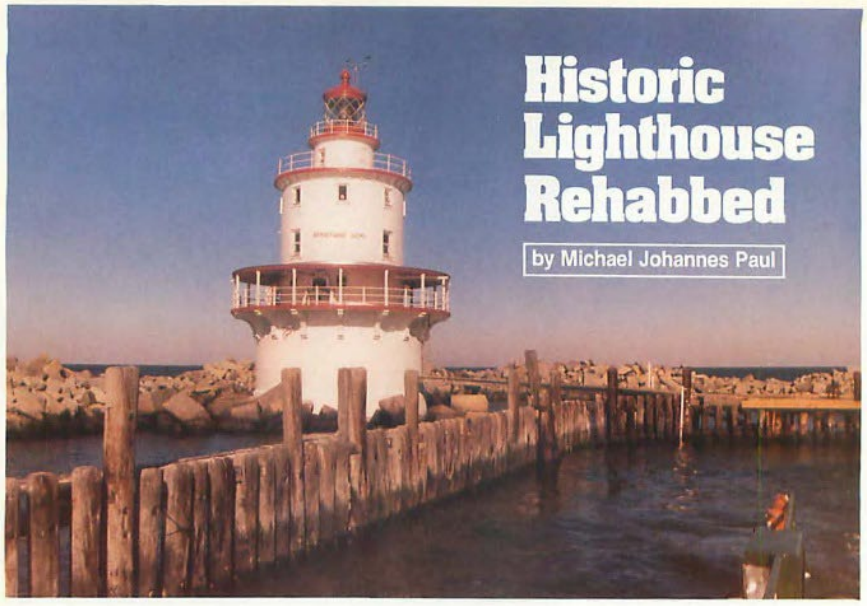
Kerry Sutton

kerry.sutton@concrete.org

Michael Paul, Incoming ACI President




aci Foundation
Ski Accident
Barbie



Historic Lighthouse Rehabbed

by Michael Johannes Paul

Brandywine Shoal Lighthouse, one of seven such facilities maintained by the United States Coast Guard in the Delaware Bay, marks a hazardous shoal along a heavily traveled ship channel. Constructed between 1912 and 1914 at a cost of $69,850, it was the first such reinforced concrete structure located on a submarine site of the continental United States.

Pervasive deterioration, caused by a hostile, open-water, salt-air environment, and aggravated by a loss of regular maintenance following conversion to an automated facility in the 1950s, led to a decision in 1982 to initiate repairs.

Concrete International first looked at the Brandywine Shoal Lighthouse in 1982[1] with a description of

deteriorated concrete and reinforcing. A 1970s shotcrete coating was also removed from the caisson.

Once the caisson was stripped, precast brackets were welded to heavy steel plates that had been bolted through sound concrete of the caisson wall. The ornate brackets immediately supported formwork for casting of the overhang (structural) portion of the first level deck. Forming of the replacement wearcourse for the lantern level deck proceeded simultaneously.

After the structural deck had been cast, precast columns were welded to plates that had been embedded above the brackets. Precast cornice segments were then welded atop the columns and guyed back. The columns and cornice served as support and working lines for veranda roof formwork, which was detailed to allow

En nuestro Centro de Innovación y Desarrollo México, dimos la bienvenida a Antonio Nanni, Presidente del American Concrete Institute (ACI), la máxima autoridad mundial líder en el desarrollo, difu ...see more

See translation

The opportunity to visit Costa Rica and provide a seminar for students and professionals was simply great. Thanks for allowing me to meet and chat with you all!!!

Foundation and Fellowship Scholarship Recipients

The ACI Foundation's 2023-2024 Fellowship and Scholarship Recipients

Welcoming ACI Foundation Scholarship & Fellowship Students

- Anne Werner 124
  Marina Garcia Lopez-Arias
- Sean Monkman 130
  Johnathan Broyles
  Tijani Mohammed
  Meraj Rubayat Kamal
  Nithya Nair
- Stephanie Paal 135
  Mohammed Jobaer Uddin
- Rachel Detwiler 214
  William Snitzer
- Jan Prusinski 230
  Micah Stark
- Ivan Diaz-Loya 232
  Kate Weiksnar
- Farshad Rajabipour 236
  Avery Londo
- Peter Taylor 325
  Bo Rider
- Gregory Halsted 327
  Anabel N Merejildo
- Rudolph Frizzi 336
  Katie Hogarth
- Nestor Rubiano 342
  Jenna Hays
- Samuel Keske 345
  Sherryen Mutoka
- Benoit Bissonnette 364
  Timothy Mueller

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- Ganesh Thiagarajan 370
  Sandy Chen
- Garrett Hagen 374
  Sergio Godinez
- Ying Tian 377
  Noah Struck
  Carlos Franco Mayorga Gallegos
- Jefferey Volz 423
  Jeremy Dodd
- David Shook 435
  Timothy Kohany
- Maria Lopez de Murphy 440
  Sam Valmassoi
  Paul Acuna
- Thomas Schumacher 444
  Bayezid Baten
- Mi-Geum Chorzepa 447
  Colin Boyle
- Amir Bonakdar 544
  Saida Rezaee
  Moustafa Mansour
- Andrew McPherson 551
  Cameron Hicks
- Chuck Larosche 562
  Dana Tawil
- Scott Jones 564
  Habibelrahman Hassan

The ACI Foundation's 2023-2024 Fellowship and Scholarship Recipients

Educational Activities Committee

Diana Arboleda, *EAC Chair*

Thank you

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www.concrete.org