

FIRST MIX

Wednesday March 2, 2016 • Issue 9 • www.aci-ncawnv.org

A weekly look at events, education, people and projects in the Northern California and Western Nevada Concrete Industry.

American Concrete Institute

Northern California  Western Nevada
Chapter
Advancing Our Regional Concrete Industry Since 1958

TUESDAY, MARCH 8 • SJSU STUDENT NIGHT

ACI President Sharon Wood

CO-HOSTED BY SJSU STUDENT CHAPTER ACI

MAKE RESERVATIONS MARCH 2ND DEADLINE!

ACI President Sharon L. Wood, FACI, is the Dean of the Cockrell School of Engineering and holds the Cockrell Family Chair in Engineering No. 14 at The University of Texas at Austin.



Her presentation will be:

Passive Sensors for Monitoring Concrete Structures

With the proliferation of smart phones and associated technologies, consumers now have countless options for monitoring their health and fitness in real time. Monitoring options for civil infrastructure systems remain much more limited, however.

Researchers at the University of Texas have developed a wireless platform of passive sensors that can monitor the conditions inside structural concrete members. The term “passive” is used to describe the class of sensors because they do not include any on-board processing capabilities or sources of power (batteries). The sensors are designed to be embedded in fresh concrete and interrogated frequently during construction or intermittently over the life of the structure.

To date, the research has focused on detecting the initiation of corrosion within concrete bridge decks, but other potential applications will also be discussed.

March 8 • San Jose State University Engineering Building, Room ENG 285

• [Link to SJSU Campus Map](#) – The ENG building top center of the map. North Garage is closest. [SJSU Parking Garages](#)

MAKE RESERVATIONS MARCH 2ND DEADLINE!

Find out more about Chapter Membership [Click Here.](#)

Coming in May!

Last year we had over 60 golfers, great sponsors and **FUN!**

It's Time to Play!

We'll be sending out full information.



Chapter Coming Events

March 8 - SJSU Engineering Building, Room ENG 285
Student Night for SJSU Chapter
Speaker **Sharon Wood, ACI President**

April 12 – Iron Grill 2422 13th St. Sacramento – 5:30 PM
SEAOCC/ACI Joint Event – Starts at 4:30 PM
Speaker TBA

Coming in May
11th ACI Golf Classic

>> **May - 2016-2017 Chapter Elections**

June 14 - LangeTwins Winery in Acampo
Annual Meeting, Installation, Awards and FUN!

We usually meet on the 2nd Tuesday, with Social Hour at 6 PM, Dinner at 7 PM, and Presentation at 8 PM. Our annual SEAOCC/ACI Event in April starts at 5:30 PM.

Northern California and Western Nevada Chapter ACI
Post Office Box 2393 • Elk Grove, CA 95759

Contacts for Chapter Events

Rowdy Cordero, Chapter VP and Program Chair
rcordero@nevadacement.com

Miki Craig, Chapter Business Administrative Manager
admin@aci-ncawnv.org

www.aci-ncawnv.org

Industry News

[Email us](#), and we'll include your **Industry News** and give you a HT (hat tip) thank you for your item.

From ACI Concrete SmartBrief:

[Concrete industry's labor problems](#)

Concrete workers, carpenters and sheet metal finishers are in short supply, according to a report by HomeAdvisor that drew on statistics from the Associated General Contractors of America. The report has four ways to mitigate the shortage.

From ARI Alert:

[EPA Energy Star winning plants](#)

The EPA announced that Cemex and Lehigh in California are among 70 manufacturing plants nationally that have achieved Energy Star certification for their superior energy performance in 2015.

From ARI Alert:

[Headwaters buys CalStar Technology](#)

Headwaters has acquired the technology to manufacture a variety of concrete products without the use of portland cement. The technology uses fly ash as the cementitious binder.

Education & Technical

From ACI Concrete SmartBrief:

[Quieter concrete created for roads](#)

Robert Bernhard, an engineering professor at the University of Notre Dame and his colleagues created a "new generation concrete pavement" that involves two grinding passes: One creates grooves, and one smooths. "The result is that it's smoother for texture where the tread blocks are hitting so that they no longer create as much noise because there's not as much vibration and so forth," Bernhard said. The pavement has been adopted in 13 states.

From Our Associates at CalcIMA:



[Learn more](#) about the Sacramento event.

From ACI's Education Department:

[ACI University App – Increasing Your Concrete Education](#)

The updated ACI University App provides information on over 100 online courses and education publications.

Students Build the Future

Our Chapter Student Committee Co-Chairs

Dr. Akthem Al-Manaseer • akthem@email.sjsu.edu

Josh Patterson, Chapter Director

josh.patterson@lehighhanson.com

Our Chapter helps underwrite engineering and CIM student activities. Students also attend our events for just \$10. They meet professionals who could be future employers.

58 Years Since 1958

We were the American Concrete Institute's second chartered Chapter in 1958.

Today, over 100 ACI Chapters circle the globe with 20,000 Chapter Members.

This year, we are celebrating 58 years of advancing our regional concrete industry.

Learn about Chapter Membership benefits below.

Join Us!

Miki Craig, Business Administration Manager

Industry Job Opportunities

[Just contact us](#) with your resume or job opening.

ACI Career Center

No matter what field of the concrete industry you work in, there are jobs listed for you. [Check out](#) ACI's Career Center.

CalcIMA Job Listings

We appreciate [CalcIMA](#) authorizing a link to their job listings. [Learn more](#) about the jobs that are available as shown on their website.

Join the Chapter or Renew

Membership is a concrete commitment that makes business sense. [Join Us!](#)

Get a Web How-To Guide

We've put together a PDF describing our website features. [Learn More](#)

How to Contact Us

Chapter officers, directors, committee chairs and staff. [Take a Look](#)

"First Mix" Archives

We maintain links to previous issues. [Catch Up](#)