

PITTSBURGH
AREA
CHAPTER



acipgh.com

**American Concrete Institute
Pittsburgh Area Chapter**

P.O. Box 86
Zelienople, PA 16063



Winter 2015

“Progress Through Knowledge”

Pittsburgh Area Chapter Upcoming Events

2015 MEMBER DINNER MEETINGS

February 11, 2015

March 11, 2015

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AWARDS BANQUET

April 2015

SOCIAL NIGHT

May 2015

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ACI GOLF OUTING

July 2015

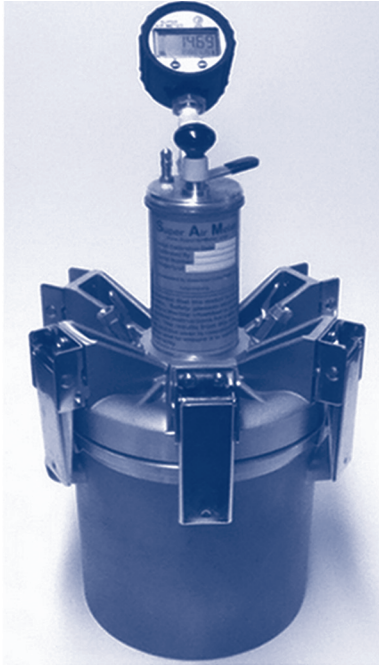
Quicksilver Golf Club

Visit our website for a list of upcoming events at www.acipgh.com/calendar.shtml.

Chapter News

The Super Air Meter (SAM)

By Tyler Ley, Ph.D., P.E. - Associate Professor of Civil and Environmental Engineering,
Williams Foundation Professor, Oklahoma State University

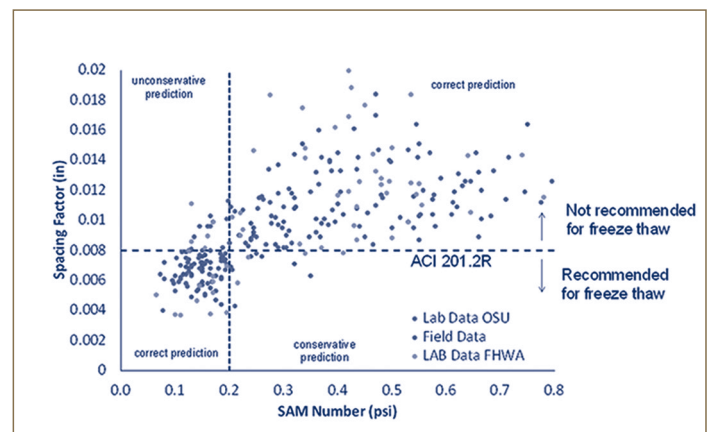


The Super Air Meter (SAM) is a testing device that measures both the air void spacing and air content of plastic (fresh) concrete in about 10 minutes. Air void spacing has been shown to be a better indicator of concrete freeze-thaw durability than total air content; however, until now, it has been challenging to measure in fresh concrete. By being able to measure the actual air-void spacing in the fresh concrete, the meter helps users better understand the freeze-thaw durability of their concrete before it is placed.

The device is a modified version of the typical pressure method (ASTM 231). The primary modification is that two sequential pressurizations are applied to the concrete. The deformation of the concrete is first investigated at 14.5, 30, and 45 psi, the pressure is then released, and the same pressure steps are used again to measure the deformation. The differences between the first and second pressure steps are used to calculate the SAM number, which is correlated with the average spacing between air voids in the concrete mixture. If the spacing between the voids is too high then this could mean the concrete is susceptible to

freeze-thaw deterioration. A SAM number of 0.20 has been shown to correctly determine over 90% of the time whether the spacing between the bubbles meets the recommendations of the ACI 201 Concrete Durability Committee.

This device has been investigated using more than 300 lab and field mixtures at Oklahoma State University and the FHWA Turner Fairbanks Laboratories. As part of an ongoing Pooled Fund Study, the SAM is being used by 10 different DOTs on field concrete. The results of the SAM are also being compared to performance in the ASTM C666 rapid freeze-thaw test. An AASHTO Provisional Standard for this test has been prepared and is being balloted in February. The meter is currently being used in 20 different states and one Canadian Province. The SAM has been specified in Oklahoma and Michigan. More details and purchasing information can be found at www.superairmeter.com.



TINK BRYAN AWARD ~ TRIBUTE TO: THOMAS "TINK" BRYAN

The Tink Bryan Award was created in honor of an outstanding individual who dedicated himself to his family, business and the concrete industry. For several years now, the Chapter has honored one individual each year with this award. The Pittsburgh Chapter Board of Directors is requesting nominations for the 2015 recipient. If a candidate is selected, they will be announced at the Awards Banquet in April. The candidate should demonstrate an exceptional commitment and achievement of service to the concrete industry.

Please forward a letter with your candidate(s) name and reasons for nomination to:

ACI, Pittsburgh Area Chapter
PO Box 86
Zelienople, PA 16063
or email to: bethaci@verizon.net

WRITTEN EXAM RETAKES:

There are two options for retaking the written exam for the Concrete Field Testing Technician Grade I. You can schedule with our chapter to retake the written exam for \$140. Our website is www.acipgh.com. Our schedule and registration forms are available there to review and download. However you do have another option to retake the written exam. You can schedule at any Prometric Testing Center. The exam is given on a computer, and the cost is \$141. They have several different locations.

To schedule with them you would call 1-800.722.2857 or go on-line to www.prometric.com. Once on their website click on the "A-C" button under the orange sponsor bar to select the American Concrete Institute from the list of organizations. On the next screen select the "Schedule My Test" option and follow the directions from there. You will have several different locations to choose from once you enter your zip code.

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Chapter News is published by the American Concrete Institute, Pittsburgh Area Chapter for the purpose of informing members and others about issues of concern to the concrete industry. If you have information to include in this publication or any comments, contact ACI Pittsburgh Chapter at 724-452-1468

ACI – PITTSBURGH AREA CHAPTER SPRING 2015 CERTIFICATION SCHEDULE

Concrete Field Tech – Grade I

March 2-3, 2015

Location

Stone & Company – Greensburg, PA

Concrete Strength & Aggregate Testing Tech

March 20-21

Location

Bryans Research Lab

Concrete Flatwork Finisher/Tech

February 21

Location

Cranberry Library

To download a registration form or to register on-line log onto: www.acipgh.com

Remember: Credit Card payments are now accepted with our on-line registration feature (www.acipgh.com)



In Memory of...

“Barbara A. Richards, wife of Ed Richards of Beaver Concrete, passed away unexpectedly on December 3, 2014 at Heritage Valley Beaver, with her family at her side. The Pittsburgh Area Chapter expresses our deepest condolences.”

JOB OPENINGS

CONCRETE BATCH PLANT/LAB TECHNICIAN

NGE is currently seeking a Concrete Batch Plant/Lab Technician to work out of their United States Army Corps of Engineers job site at the Charleroi, Pennsylvania Locks & Dams. The successful applicant will have sufficient knowledge and experience to work as part of the Batch Plant Staff, serve in a quality assurance role for concrete and aggregate testing at the Government's lab at the Charleroi site, and serve as a technician at the point of concrete placement. Required minimum qualifications include: Concrete Field Testing Technician, ACI Certification Grade I; 5 years of experience in concrete testing and/or production or both. The following additional qualifications are necessary for this project and are highly preferred: Aggregate Testing Technician, ACI Level 1 or Level 2; Concrete Strength Testing Technician (ACI); Concrete Laboratory Testing Technician, ACI Level 1 and Level 2. For more information about the position and NGE, go to the below link to apply online: <https://www.ziprecruiter.com/jobs/nge-ef9d81e6/concrete-batch-plant-lab-technician-6046eb33>

CONCRETE TECHNICIAN NEEDED

Looking for an individual with experience in developing concrete designs and controlling quality of concrete production. Applicant must also be able to perform gradation on aggregates and all essential concrete tests. PennDOT Plant & Field Certifications are required. Send resume to: INFO@GTCPGH.COM

VOLUNTEERS NEEDED!

If you are currently certified as a Concrete Field Testing Technician – Grade I, The Pittsburgh Area Chapter of ACI needs your help.

If you can volunteer your time to help out as a supplemental examiner, we would greatly appreciate it.

Please email andy.r.lawrence@gmail.com if you can help. Thank you!

DIESEL TRUCK MECHANIC WANTED

Experienced Mechanic needed to inspect, keep up and repair fleet of mobile concrete trucks. Full time position available. Requirements include understanding of the vehicles electric system, engine and all of its working parts. Have dexterity and an eye for detail. Vocational training program preferred but not required. Pre-employment drug screen required. We offer a comprehensive benefits package. Willing to consider a candidate that is also looking for part-time, off hour or weekend preference. Interested candidates should submit their resume via email to: pittsburghmobileconcrete@hotmail.com or call Lisa at 412-589-5433.

MIXER TRUCK DRIVERS/OPERATORS WANTED

CDL Class B with Tanker Endorsement wanted to join our team. Requirements include ability to work flexible schedule. Previous commercial truck driving is preferred. Must meet insurability for driving requirements of the company, meet DOT physical requirements, and carry a physical exam card. Pre-employment drug screen required. High school diploma or GED required. We offer a comprehensive benefits package. Interested candidates should submit their resume via email to: pittsburghmobileconcrete@hotmail.com or call Lisa at 412-589-5433.

READY MIX CONCRETE TRUCK DRIVER WANTED

We are in need of drivers in possession of a CDL for our Aliquippa, PA location. Responsibilities include the operation of and basic maintenance of a concrete mixer. Work schedule may vary in regards to evenings, early mornings and weekends. Qualified candidate should be self-motivated, ambitious, reliable and safety oriented. Applications can be received and returned to: Castle Builders Supply, 305 Steel Street, Aliquippa, PA. Phone: 724-375-0555.