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Cost is: \$300/per person

This includes a copy of the PCA Design
& Control of Concrete

Mixtures Manual,

15th Edition

(a \$90 value)



Every industry has
one outstanding
reference book, and for concrete it is Design
and Control of Concrete Mixtures - the guide to
applications, methods, and materials.



**REGISTER TODAY
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**Questions? Please contact us at:
480-442-3296 or
dawn@azaci.org**

**AZ CHAPTER - ACI & THE ARIZONA
ROCK PRODUCTS ASSOCIATION**

PRESENT:



**Portland
Cement
Association's**

Design & Control of Concrete Mixtures The 15th Edition

*This Program will be
taught in Four (4)
Sessions:*

**September 11, 18,
25 & October 2**

12:30 - 5:00 p.m.

**Held at:
Sundt Construction's
Training Room
2620 S. 55th St.,
Tempe AZ 85282**

REGISTER ONLINE!

What Will Be Covered

Session 1 9/11/13

- * Introduction to Design & Control
- * Sustainability
- * Cements
- * Aggregates

Session 2 9/18/13

- * Water & Admixtures
- * Properties
- * Volume Change
- * Durability

Session 3 9/25/13

- * Proportioning
- * Batching, Mixing & Transport
- * Reinforcement
- * Place & Finish
- * Curing

Session 4 10/2/13

- * Hot Weather
- * Cold Weather
- * Testing
- * High-Performance & Specialty

Speakers Include:

(tentative & not limited to)

Michelle Wilson, F.ACI

Portland Cement Association (PCA),
Co-Author of Design & Control of
Concrete Mixtures

Jerry Holland, P.E., F.ACI

Structural Services, Inc.
Vice-President & Director of Design Services

Robert Barkley,

Hanson Aggregates
Quality Control Manager

Derek Wright,

Suntec Concrete
Vice President/Principal

Frank Kozeliski, F.ACI

Concrete Consultant

Tom Romero,

CalPortland
Director of Quality Control

Donald L. Cornelison, P.E.

Speedie & Associates
Vice President/Division Manager

Bryan Castles,

Western Technologies
Principal/Senior Materials Engineer

Jeff Hearne,

Salt River Materials Group
VP of Quality Assurance

Clinton Wilkins,

Salt River Materials Group
AZ Sales Manager



Design & Control of Concrete Mixtures

Concrete's versatility, durability, sustainability and economy have made it the world's most widely used construction material. The strength, stiffness, workability and durability of modern concrete can all be influenced by raw material types, mix recipe, handling and placement techniques, etc. As well, these factors can affect the concrete's appearance, weather and wear resistance and susceptibility to chemical attack and undesirable reactions within the concrete.

This four-part series is intended for construction professionals who want to know more about the world's most common building material. The series focuses on how concrete and cement technologies impact sustainability, constructability and life-cycle of the finished concrete/concrete product.

Since the 1st edition was published by PCA in the 1920's, the Design and Control of Concrete manual has become a primary cement and concrete industry reference.

Local and National industry professionals will guide you through this reference standard, sharing their experiences and the latest advances in concrete technologies.