



TROUBLESHOOTING CONCRETE FORMING & SHORING



With: Kim Basham, PhD, PE, FACI

One-day seminar for contractors and engineers. Attendees will learn tips and traps associated with form stripping and reshoring and will work through calculations for a reshoring problem. Instructor will address tolerances for vertical alignment and slope, slab deflections, balcony drainage issues, and tolerance incompatibilities with cladding materials. Expectations for formed surface quality will be covered with tips for minimizing surface effects such as bugholes that can lead to disputes. Attendees will also learn about different as-cast form finishes, surface blemishes versus defects, and how to achieve forming economies and compute form pressures. Advanced topics such as one-sided wall forming, and forming cantilevers.

MONDAY CROWNE PLAZA HOTEL
MAY 10TH 2021 14811 KRUSE OAKS DR
7:00^{AM} – 5:00^{PM} LAKE OSWEGO, OR 97035

Engineers receive 6 PDH's for Attending Seminar
Contractors receive 6 CEU's for Attending Seminar
\$325.⁰⁰
Per Attendee

SPACE IS LIMITED SO BE SURE TO REGISTER EARLY!!



7:00^{AM} – 7:30^{AM}	REGISTRATION
7:30^{AM} – 8:00^{AM}	<i>Continental Breakfast will be provided</i>
8:00^{AM} – 8:10^{AM}	Introduction (10 min)
8:10^{AM} – 9:00^{AM}	Forming Systems (50 min)
9:00^{AM} – 10:00^{AM}	Forming Economics (60 min)
10:00^{AM} – 10:15^{AM}	BREAK
10:15^{AM} – 11:15^{AM}	Load and Pressures (60 min)
11:15^{AM} – 12:00^{PM}	Form Removal (45 min)
12:00^{PM} – 1:00^{PM}	LUNCH
1:00^{PM} – 1:45^{PM}	Surface Finishes and Defects (45 min)
1:45^{PM} – 2:15^{PM}	Reshoring (30 min)
2:15^{PM} – 2:30^{PM}	BREAK
2:30^{PM} – 2:45^{PM}	Reshoring, continued (15 min)
2:45^{PM} – 3:30^{PM}	Construction Tolerances (45 min)
3:30^{PM} – 3:45^{PM}	Closing Remarks (15 min)
3:45^{PM} – 4:00^{PM}	Questions and Adjournment (15 min)



Kim Basham, PhD, PE, FACI
KB Engineering, LLC
Senior Structural Engineer

ACTIVITIES AND EXPERIENCE

Dr. Basham is a member of the ACI 306 – Cold Weather Concrete Committee, ACI 302 – Concrete Floor and Slab Construction, and ACI 347 – Formwork Construction of the American Concrete Institute; American Society of Civil Engineers; The Concrete Society, American Society of Concrete Contractors; and International Concrete Repair Institute. He is a certified Trainer and Examiner for the Concrete Field Testing Technician, Concrete Flatwork Technician & Flatwork Finisher, and Concrete Lab I programs sponsored by ACI. Dr. Basham has taught structural analysis, concrete and masonry design, and concrete material courses at Virginia Military Institute, the University of Wyoming, and the University of Colorado at Denver. He has been an instructor in many concrete seminars and short courses directed towards architects, engineers, and contractors across the United States and abroad. He has published over 150 articles, coauthored *Excavation Safety* published by the Aberdeen Group, and been a contributing writer for *Concrete Contractor* magazine. Dr. Basham has also served as an expert witness in numerous litigation and arbitration cases concerning concrete construction, materials, and engineering.

EDUCATION

B.S. and M.S. in Structural Engineering from Virginia Polytechnic Institute & State University and a Ph.D. in Civil Engineering from the University of Wyoming.

Prior to KB Engineering, Dr. Basham worked as a structural engineer with Concrete Engineering Specialists LLC, Structural Services Inc. and a concrete/construction engineer with Baker Concrete Construction Inc. Prior to joining Baker, Basham was the Engineering Director for World of Concrete and Contributing Editor for *Concrete Construction* magazine. He was also the Director of Engineering for CTC-Geotek, Inc. and an Assistant Professor of Civil Engineering at the University of Wyoming and the Virginia Military Institute. Dr. Basham specializes in structural analysis, concrete design, mix designs, concrete specifications and preconstruction, formwork, shoring and reshoring, temporary structures, mass concrete placements, concrete forensic investigations, structural evaluations, condition surveys, destructive and nondestructive testing, concrete repair, concrete construction techniques, and concrete technology and research.

**SPACE IS LIMITED,
SO BE SURE TO REGISTER EARLY!!**

Please complete the registration form below (can be filled out in Adobe Acrobat or printed and completed).

Registrant Name:

Company/Organization:

Phone Number:

Email Address:

Choose Amount of Payment: **\$325** Non-Member

\$292.50 (\$325 Less 10%)
OACI Corporate Member
Corporate membership: \$550 yearly fee*, unlimited use for all members of your organization.

\$292.50 (\$325 Less 10%)
OACI Individual Member
Individual membership: \$90 yearly fee, for personal use only.

Register Via Mail: with check (made out to "OACI") or credit card information completed, send to...
OACI
P.O. Box 2958
Vancouver, WA 98668

***To Register for an OACI Membership
Please Visit: www.OregonACI.org**

FOR SECURITY REASONS, DO NOT SEND PAYMENT INFORMATION BY EMAIL!
OACI has provided a secure, online registration method at: <https://www.oregonaci.org>

Register By MAIL: For credit cards, by completing this form, you authorize OACI to run the CHECK or CARD card for the total amount above.

- OR - Register ONLINE (Secure Credit Card Transaction):
<http://www.oregonaci.org> (click here!)

Name:
As it appears on Credit Card

Credit Card #:

Credit Card Exp Date:

3-Digit Code:
On back of Credit Card

Billing Zip Code:

