

# Haci USTON

## Chapter

### American Concrete Institute

*Partnering with Wacker Neuson, Whitecap, and ASCC*

Presents an

## ACI Flatwork & Industrial Slab School

*Offering ACI Sanctioned Classes & Exams for Flatwork and Commercial Slab Finisher & Technician*

### ***Classes to be presented by*** **Bob Simonelli**

**Monday, October 31, 2011 thru Tuesday November 1, 2011**

**Sam Houston Race Park, Houston. Texas**

**7:00 AM – 5:30 PM Monday**

**6:00 AM – 5:00 PM Tuesday**

*The ACI-Houston Chapter cordially invites you and your colleagues to two full days of events. Please see the schedule of events below. There are two different certification exams that are going to be given, so each event will have to be purchased depending on what courses are taken. The Cost of the training classes include ACI CP-10 Workbook for the Flatwork Training and the ACI CP-11 Work book for the Industrial Slab Finisher Training.*

#### **Who Should Attend**

Concrete Finishers that want to become ACI Flatwork Finisher

Concrete Finishers that want to become a Commercial Slab Finisher

Anyone that wants to become an ACI Technician for Flatwork and or Commercial Slab

#### **Schedule Monday**

6:00 - 7:00	Registration
7:00 - 10:00	Flatwork Finisher Training (Bob Simonelli)
10:00 - 11:00	Break (Lunch on your own)
11:00 - 2:00	Flatwork Finisher performance exam
2:00 – 2:30	Break
2:30 – 5:30	Commercial Industrial Slab Training Class (Bob Simonelli)

#### **Schedule Tuesday**

6:00 - 11:00	Commercial Industrial Slab Finisher Performance Exam
12:00 - 2:00	Flatwork Finisher Exam
3:00 – 5:00	Commercial Industrial Finisher Exam

#### **Cost**

<b>Classroom Training for Flatwork Finisher / Technician</b>	<b>\$140.00 / Person</b>
<b>Flatwork Finisher Performance Exam</b>	<b>\$200.00 / Person</b>
<b>Written Exam for Flatwork Finisher / Technician</b>	<b>\$140.00 / Person</b>
<b>Classroom Training for Industrial Slab Finisher / Technician</b>	<b>\$140.00 / Person</b>
<b>Performance Exam for Industrial Slab Finisher</b>	<b>\$200.00 / Person</b>
<b>Written Exam for Industrial Slab Finisher / Technician</b>	<b>\$140.00 / Person</b>

## The Presenter

### **Bob Simonelli, *Principal, Structural Services Inc., New Smyrna Beach, FL***

Bob Simonelli has more than 30 years of placing and finishing experience at two prominent companies. He specializes in the installation, techniques and procedures of Super Flat and High Tolerance Floors as well as typical concrete floor installation. Simonelli's experience includes a wide range of commercial and industrial slabs on ground, parking lots, pavements and suspended bridges. He has consulted on projects in Brazil, Costa Rico, Korea, Mexico, the Middle East, Nova Scotia, Puerto Rico, Singapore, the United Kingdom and Venezuela.

Mr. Simonelli uses his hands-on finisher experience to troubleshoot field problems such as blisters, delaminations, and peeling. He evaluates floors for conformance to project specifications with regard to finishing appearance and texture. Mr. Simonelli assists contractors and ready mix producers in evaluating appropriate mixes for finishing.

Bob has developed and taught concrete finishing training throughout the United States and South America showing finishers how to achieve floor flatness and levelness with the appropriate tools and techniques in the most economical manner. He is a certified ACI Concrete Flatwork Technician and Finisher instructor as well as certified in the F-Number System by the Face Companies. He has authored numerous articles on the use of tools and techniques required to achieve High Tolerance Floors. Simonelli has instructed more than 100 Precision Flooring seminars in the United States and abroad and has performed numerous super flat and flooring seminars worldwide in conjunction with World of Concrete.

Mr. Simonelli is a member of the Operative Plasterers and Cement Masons Local 148m Atlanta, Georgia and a member of ACI 302 committee. Bob is also the current chairman of ACI 640 Committee, and is one of only a few of the elite that have received the "Sam" award from the Face Companies.

The SSI team is pleased to be the only concrete engineering and consulting firm to offer this technical knowledge and hands-on finishing expertise to the concrete industry. To insure your crew is up to date on the latest trends in floor placing and finishing, check out the content of our SSI Concrete College and contact Bob today for all the details.



Questions? E-mail [dimarsh@terracon.com](mailto:dimarsh@terracon.com) for more information

Visit our Website: [www.ACI-Houston.net](http://www.ACI-Houston.net)

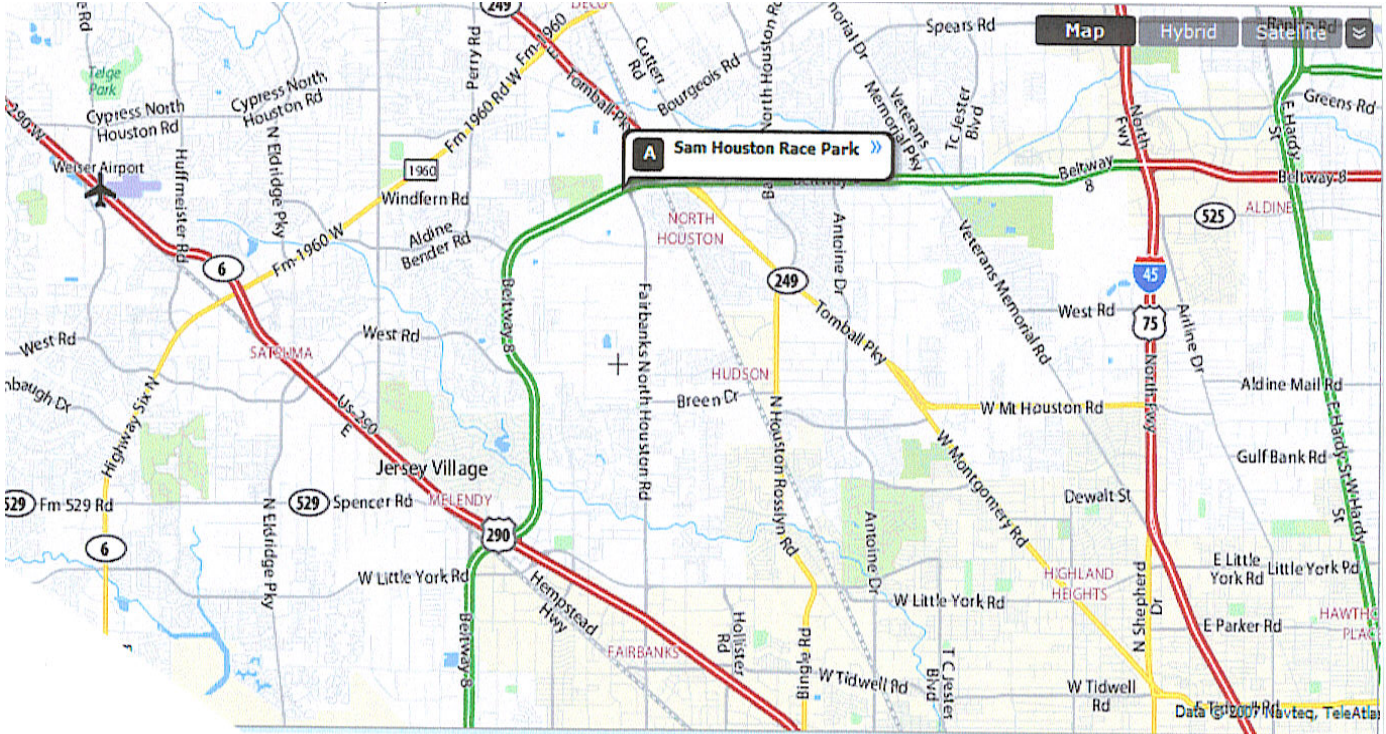
REGISTER Online at:

<http://www.acihoustonflatworkschool.eventbrite.com/>

**Location**

Sam Houston Race Park, 7575 N. Sam Houston Parkway West, Houston, TX 77064

(NOTE: There is no charge for parking for this event)



Please fill out the form below and mail it with payment (check or money order) before October 15, 2011 to:

ACI Houston Chapter, Attn: F&IS Committee, 10134 Hammerly, Box 172, Houston, TX 77080

Name (Mr. / Mrs. / Ms / Dr.): \_\_\_\_\_

Employer: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

Phone: \_\_\_\_\_  
Office Mobile

Preferred E-Mail Address: \_\_\_\_\_

I will attend: \_\_\_ Flatwork Training (\$140) \_\_\_ Industrial Slab Training (\$140)

I will attend: \_\_\_ Flatwork Exam Performance (\$200) \_\_\_ Industrial Exam / Performance (\$200)

I will attend: \_\_\_ Flatwork Exam / Written (\$140) \_\_\_ Industrial Exam / Written (\$140)

Questions? E-mail [dimarsh@terracon.com](mailto:dimarsh@terracon.com) for more information

Visit our Website: [www.ACI-Houston.net](http://www.ACI-Houston.net)

# ***ACI Craftsman Certification Programs: Concrete Flatwork Finisher and Technician***

## **Certification Program:**

ACI Craftsman Certification Programs

## **Certification Level:**

Concrete Flatwork Finisher and Technician

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## ***Definition***

A **Concrete Flatwork Finisher** is a craftsman who has demonstrated the ability to place, consolidate, finish, edge, joint, cure and protect concrete flatwork.

A **Concrete Flatwork Technician** is a person who is knowledgeable about proper procedures to place, consolidate, finish, edge, joint, cure and protect concrete flatwork, but who lacks sufficient work experience to qualify as a Concrete Flatwork Finisher.

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## ***Scope and Knowledge***

The primary technical resource for this program is ACI's Concrete Craftsman Series, Slabs on Grade, CCS-1. The program requires knowledge in the following areas of concrete construction:

- Basic concrete technology
- Concrete materials and mix proportioning
- Concrete control tests
- Proper use of finishing tools
- Placing, consolidation, and finishing
- Edging, jointing, curing, and protection

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## ***Certification Requirements***

### **For Concrete Flatwork Finisher:**

ACI will grant certification only to those applicants who obtain a passing grade on the written examination and either:

- Possess one year (1500 hours) of approved work experience and successfully complete the ACI performance examination, OR
- Possess three years (4500 hours) of approved work experience and successfully complete the Alternative Performance Affidavit (Form D16).

The work experience must include placing, consolidation, finishing, edging, jointing, curing, and protection of concrete flatwork.

Verification of the amount and range of work experience by the applicant's employer(s) is required. [Please click here for work-experience forms & instructions.](#)

The two-hour written examination is "closed book" and consists of approximately fifty multiple-choice questions. The passing grade for the written examination is 70%.

During the performance examination each examinee must place, consolidate, finish, edge, joint, begin curing and provide initial protection for a concrete slab. The examiner will observe and evaluate the techniques used and record passing or failing grades on the various individual procedures. A passing grade is defined as "no significant variation from proper procedure and no more than two variations from proper technique in the use of the tools."

The Alternative Performance Affidavit (Form D16) is a possible alternative to the performance examination. It requires each applicant to submit a signed affidavit(s) from current and/or previous employers verifying that the applicant's proven abilities are equivalent to those listed in the ACI performance examination checklist.

Note: Optional forms and procedures are available for self-employed finishers.

Recertification is necessary every five years, and requires successful completion of a written examination.

### **For Concrete Flatwork Technician:**

ACI will grant certification to those examinees who obtain a passing grade on the written examination. Individuals with Flatwork Technician certification can upgrade to full Flatwork Finisher status upon submittal and approval of sufficient work experience, and successful completion of the ACI performance evaluation.

Recertification is necessary every five years, and requires successful completion of a written examination.

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## ***Study Material***

Go to the ACI Bookstore on this website to order and/or obtain current pricing on any items listed below:

[CP-10\(10\): Craftsman Workbook for ACI Certification of Concrete Flatwork Technician & Flatwork Finisher](#)

A study guide that orients the examinee to the certification program and contains directions on how to prepare for the written examination and performance evaluation. Included are sample examination checklists, practice exams, study questions, and all technical resources. These include ACI's Slabs on Grade (CCS-1), and ACI's Concrete Primer (SP-1).

[CP-10S\(10\): Spanish Language Version of Craftsman Workbook for ACI Certification of Concrete Flatwork Technician & Flatwork Finisher](#)

[CP-8\(84\): Finishing Concrete Flatwork \(DVD Region 1\)](#)

Basic procedures are demonstrated for finishing concrete flatwork, using proper tools and finishing techniques as recommended by ACI and other expert finishers. The video also covers subgrade and formwork preparation, concrete placement, jointing, curing and special finishes, and emphasizes important Do's and Don'ts. Emphasis on Hand Skills, but shows (briefly) use of Power Screeds, Trowels/ Floats.

***ACI Craftsman Certification Programs: Specialty  
Commercial/Industrial Flatwork Finisher and Technician***

## **Certification Program:**

ACI Craftsman Certification Programs

## **Certification Level:**

Specialty Commercial/Industrial Flatwork Finisher and Technician

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## **Definition**

A **Specialty Commercial/Industrial Concrete Flatwork Finisher** is a person who has demonstrated a basic knowledge of finishing procedures for Specialty Commercial/Industrial Concrete Flatwork Finishing, including high tolerance floor construction, application of surface treatments, and silica fume concrete, and who has demonstrated skill in operating mechanized finishing equipment.

A **Specialty Commercial/Industrial Concrete Flatwork Technician** is a person who has demonstrated a basic knowledge of finishing procedures for Specialty Commercial/Industrial Concrete Flatwork Finishing, including high tolerance floor construction, application of surface treatments, and silica fume concrete, but who lacks sufficient work experience and verified skills needed to qualify as a Specialty Commercial/Industrial Concrete Flatwork Finisher.

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## **Scope and Knowledge**

The program requires knowledge of the following resource materials:

- ACI 302.1R Guide for Concrete Floor and Slab Construction
- Silica Fume User's Manual, Silica Fume Association

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## **Certification Requirements**

### **For Specialty Commercial/Industrial Concrete Flatwork Finisher:**

ACI will grant certification only to those applicants who:

1. Have prior or current certification as an ACI Concrete Flatwork Finisher, and
2. Obtain a passing grade on the written examination, and
3. Possess one year (2000 hours) of approved work experience, and
4. Successfully complete the ACI performance examination.

The work experience must be specific to commercial/industrial concrete flatwork finishing and is in addition to that submitted for the required ACI Concrete Flatwork Finisher certification program. Verification of the amount and type of work experience by the applicant's employer(s) is required. Optional forms and procedures are available for self-employed finishers. [Please click here for work-experience forms & instructions.](#)

The two-hour written examination is closed-book and consists of approximately 80 multiple choice questions. The passing grade for the written examination is 70%.

During the performance examination each examinee must demonstrate skill in operating mechanized finishing equipment (i.e.,

riding trowel).

Recertification is necessary every five years, and requires full re-examination.

**For Specialty Commercial/Industrial Concrete Flatwork Technician:**

ACI will grant Technician certification to those examinees who obtain a passing grade on the written examination. Individuals with Technician certification can upgrade to full Specialty Commercial/Industrial Concrete Flatwork Finisher status upon meeting the requirement of certification as a full ACI Concrete Flatwork Finisher, submittal and approval of sufficient work experience, and successful completion of the ACI performance examination.

Recertification is necessary every five years, and requires successful completion of a written examination.

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## ***Study Material***

Go to the ACI Bookstore on this website to order and/or obtain current pricing on any items listed below:

[CP-11\(08\): Craftsman Workbook for ACI Certification of Specialty Commercial/Industrial Concrete Flatwork Finisher and Technician](#)

This workbook contains information about the Specialty Commercial/Industrial Concrete Flatwork Finisher/Technician certification program, performance checklists, reprints of all of the resource materials referenced by the certification examinations, and study questions.