

Concrete Pavements

101

Program and Course Guide



April 27-29, 2009
Austin, Texas

The American Concrete Pavement Association
Education & Training





2009 Concrete Pavements 101

Design, Construction, and Rehabilitation of Concrete Pavements

Revised for 2009, this in-depth training course presents the theory and practice of designing, constructing, and rehabilitating concrete pavements.

The course is intended for engineers, technicians, laboratory personnel and others with a need for in-depth knowledge of concrete pavement technology.

Both theory and practice are covered in this course, which covers everything from basic definitions to the latest innovations in design and construction methods.

About Concrete Pavements 101

ACPA's Concrete Pavements 101 Course gives participants a working knowledge of the M-E PDG methodology and hands-on training with the M-E PDG software.

The ACPA StreetPave design and AASHTO 1993 design methods and software are also featured. Participants will receive training to select appropriate design inputs, perform the analyses, and interpret the results.

The course also includes: Construction operations; mix design; surface texturing; life-cycle costs; rehabilitation strategies & selection; concrete overlays; restoration techniques; and much more!

Who should Attend?

Attendees typically include agency personnel, contractors, consultants, military personnel, university professors, and graduate students.

The Concrete Pavements 101 course is a must for state agencies preparing to ramp up a concrete pavement program or for those who need a just-in-time refresher prior to large-scale projects.

New! Register Online

You can now register for this course online! Registration is fast and easy. To get started visit ACPA's registration site at www.pavement.com.

Click on the Education & Training icon, and then, scroll down on the E&T page to the Concrete Pavement 101 Seminar. You'll be asked to complete a quick profile, and then you can register for this and future events easily and quickly.

The course fee for ACPA members includes copies of both WinPAS and StreetPave software, copies of all training materials, and selected ACPA publications covering all aspects of concrete pavement technology.

Other ACPA Education & Training Events

You may also be interested in some additional training opportunities ACPA is offering. These include our very popular webinar series, which attract thousands of busy professionals each year. Just a few of the upcoming events include:

Webinar #	Date	Time (Minutes)	Topic
16	May 7	90	Key Variables in Rigid Pavement Design of Highways (based on the Mechanistic-Empirical Pavement Design Guide)
17	May 14	60	Quantifying Sustainability Through Life-Cycle Assessment
18	May 21	90	Pavement Type Selection
19	May 28	60	Diamond Grinding
20	June 11	90	Concrete Mix Optimization for Pavements

These are just a **few** of the web-based training programs offered by ACPA this year. To see more, visit our website at www.pavement.com. Follow the link on our home page to our "Education & Training" area.

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Register today! Our course size is extremely limited. Only the first 25 registrants will be accepted. The following rates apply. Please note that early/regular rates apply only through March 31, 2009. All registrations received after 12:01 a.m. on April 1 are subject to the higher rates.

Fee Type	Member Fee	Non-Member Fee
Prior to April 1	\$700.00	\$900.00
On or after April 1	\$800.00	\$1000.00

Please note: This program is subject to change without prior notice. Occasionally, circumstances beyond our control may require our cancellation of the program. For more information, see the ACPA refund policy.

ACPA Refund Policy

Substitutions are accepted at any time. If your substitute qualifies at a different registration fee, a credit or surcharge may apply. If you cannot attend the seminar, please notify ACPA at 847-966-2272 immediately.

A cancellation fee of \$50 will be charged if notice is received in writing before 5 p.m. (CST) March 31, 2009. No refunds or adjustments will be available for registrations after April 1.

Confirmed participants who do not attend are liable for the entire fee unless we are notified in advance of the seminar date that you cannot attend.

If it becomes necessary for ACPA to cancel the program for

any reason, course registration fees will be refunded completely. In those cases, participants are still required to cancel their hotel sleeping rooms.

Award of Professional Development Hours

Conference participants who complete the three-day training will receive a certificate of completion for their professional level continuing education activity. The American Concrete Pavement Association offers nineteen and one-half (19.5) professional development hours (PDH's) for the completion of this program.

Every registered engineer has a personal responsibility to assess the applicability of each element of the program attended to their particular professional development need, and, if appropriate, to maintain a record of qualifying PDH's for license renewal documentation.

Payment is due at the time of registration. Payment may be made either by check or credit card. For payment instructions, please contact ACPA at 847-966-2272 for more information.

19.5

ACPA will award 19.5 professional development hours (PDH's) for the successful completion of this program.

Seminar Location/Hotel Registration

The course will be held on April 27 through 29, 2009, at the Embassy Suites Hotel, Downtown/Town Lake, in Austin, Texas.

For reservations, please dial: 1-800-EMBASSY (362-2779). Be sure to mention the "American Concrete Pavement Association" for the special room rate of 159.00 per night (King Suite).

The room block is reserved from April 26 through 28, with check-out on Wednesday, April 29. Extensions are allowed if space is available. The hotel offers a hot breakfast and a manager's evening reception for no additional cost.

The negotiated room rate is valid only through April 5th, 2009, or until the room block is sold, so please register early!





2009 Concrete Pavements 101

Design, Construction, and Rehabilitation of Concrete Pavements

Preliminary Course Outline *(Subject to change without notice.)*

— Monday, April 27 —

<p>8:00 – 8:15</p> <p>8:15 – 9:00</p> <p>9:00 – 9:45</p> <p>9:45 – 10:00</p> <p>10:00 – 10:45</p> <p>10:45 – 11:15</p> <p>11:15 – 12:00</p> <p>12:00 – 1:00</p> <p>1:00 – 1:30</p> <p>1:30 – 3:00</p> <p>3:00 – 3:15</p> <p>3:15 – 4:00</p> <p>4:00 – 4:15</p>	<p>Introductions</p> <p>Pavement Types and Design Features</p> <p>Evolution of Rigid Pavement Design</p> <p>Break</p> <p>AASHTO “93” Pavement Design Method</p> <p>WinPAS Software Demonstration</p> <p>StreetPave Pavement Design Method</p> <p>Lunch</p> <p>StreetPave Software Demonstration</p> <p>Introduction to M-E Pavement Design Principles</p> <p>Break</p> <p>Introduction to the M-E Pavement Design Guide</p> <p>Question/Answer Session</p>
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<p>11:45 – 12:45</p> <p>12:45 – 1:45</p> <p>1:45 – 2:45</p> <p>2:45 – 3:00</p> <p>3:00 – 4:00</p> <p>4:00 – 4:15</p>	<p>Lunch</p> <p>Overlay Design Using M-E Pavement Design Software</p> <p>Comparison of AASHTO “93,” StreetPave, and M-E PDG Inputs and Results</p> <p>Break</p> <p>Concrete Properties and Mix Design</p> <p>Question/Answer Session</p>
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— Wednesday, April 29 —

<p>8:00 – 8:15</p> <p>8:15 – 9:15</p> <p>9:15 – 10:00</p> <p>10:00 – 10:15</p> <p>10:15 – 11:45</p> <p>11:45 – 12:45</p> <p>12:45 – 1:30</p> <p>1:30 – 3:00</p> <p>3:00 – 3:15</p> <p>3:15 – 4:00</p> <p>4:00 – 4:30</p>	<p>General Discussion</p> <p>Joint Design and Load Transfer</p> <p>Curing and Texturing Concrete Pavements</p> <p>Break</p> <p>Construction Operations</p> <p>Lunch</p> <p>Concrete Pavement Rehabilitation Strategies</p> <p>Concrete Pavement Restoration</p> <p>Break</p> <p>Innovations in Concrete Pavement Design and Construction</p> <p>Course Evaluations and Wrap-up</p>
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— Tuesday, April 28 —

<p>8:00 – 8:15</p> <p>8:15 – 10:00</p> <p>10:00 – 10:15</p> <p>10:15 – 11:00</p> <p>11:00 – 11:45</p>	<p>General Discussion</p> <p>M-E Pavement Design Software Demonstration</p> <p>Break</p> <p>Overview of Concrete Overlays</p> <p>Overlay Design Using WinPAS Software</p>
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