

ANALYSIS AND DESIGN OF POST-TENSIONED STRUCTURES

This workshop series is specifically tailored for those interested in improving their understanding of post-tensioning design and analysis of beam and slab systems, as well as develop more efficient design procedures, productivity, and quality using ADAPT-Floor Pro (3D FEM) software. Each workshop offers intensive hands-on training of ADAPT software in an interactive learning environment suited to address key aspects that affect the efficiency and economy of post-tensioned structures.

COURSE INSTRUCTOR

Dr. Bijan O. Aalami is Professor Emeritus of San Francisco State University, Life Member of the Post-Tensioning Institute, Chartered Engineer, and Founder and CEO of ADAPT Corporation—a leading developer of structural concrete analysis software and specialized consulting services.

Attendance is limited
Sign-up today!

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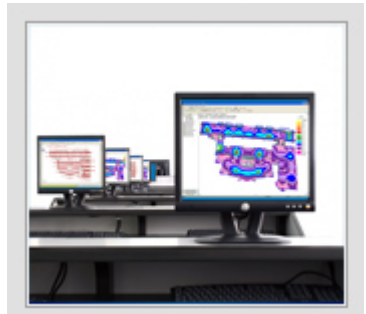
ADVANCED TOPICS IN THE ANALYSIS AND DESIGN OF POST-TENSIONED STRUCTURES

A Two-Day Design Oriented Practical Course with Hands-On Software Training

■ New Orleans, LA / November 12–13, 2009

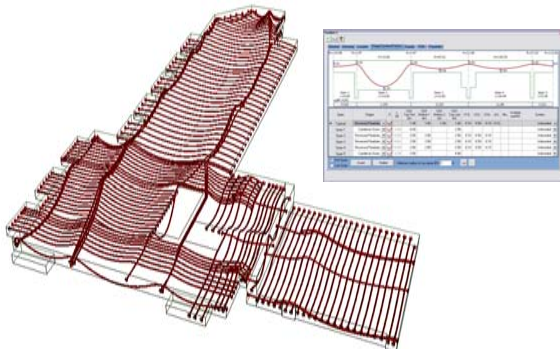


This course carries
14 PDHs/1.4 CEUs.



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TEL: 650.306.2400



ADVANCED TOPICS IN THE ANALYSIS AND DESIGN OF POST-TENSIONED STRUCTURES

COURSE OVERVIEW

The course offers a thorough review and training of more advanced, yet fundamental concepts associated with the design of post-tensioned beams and slabs.

After a brief introduction to current post-tensioning systems and practices, the course continues with discussion and practical examples related to advanced topics for the analysis and design of beams, one-way, and column supported two-way flat slabs. Each step is supplemented with well-documented literature and examples to illustrate each topic.

The course continues with state-of-the-art methods for graphical modeling of structures for analysis and design of floor systems, including the efficient use of AutoCAD drawings, Revit Structure, and ADAPT-Floor Pro and -MAT.

The software training will present a consistent workflow from start-to-finish to efficiently utilize ADAPT's modeling and design tools for structural calculations, design of post-tensioning and reinforcement, generation of structural drawings, and much more.



DAY ONE: THEORY AND BACKGROUND

- Introduction to post-tensioning and post-tensioning systems
- Structural modeling of post-tensioned members; load balancing; secondary moment effects and computation; and other concepts central to post-tensioning design
- Evaluation of post-tensioned floor systems for vibration; stress losses in post-tensioning due to creep, shrinkage and other time-dependent factors
- Restraint effect on PT structures – how to estimate the effects and mitigate its impact
- Cracked deflection analysis – general overview of cracking and the effect on PT structures
- Introduction to finite element analysis and its application to design post-tensioned systems

DAY TWO: COMPUTER WORKSHOP

- Introduction to ADAPT software - Builder -Floor Pro / MAT
- Computer-aided design process starting with file import (Revit or AutoCAD drawing), structural model transformation, loading, validation, meshing, analysis, design, reinforcement generation, reinforcement manipulation, and export of results to Revit and AutoCAD

Sign up for:	Registration Fee
<input type="checkbox"/> November 12-13, 2009 New Orleans, LA	\$ 950
<input type="checkbox"/> Multiple attendee discount— \$100 discount/person from the same firm	(\$)
Total: _____	

Name _____

Address _____

E-mail _____

Phone _____

Method of Payment

Check—Payable to ADAPT

Visa

MasterCard

American Express

Credit Card # _____

Signature _____ Exp. date _____

Billing Address (same as above) _____

Cancellations: Cancellations must be made in writing. If you cancel 7 business days or less prior to the seminar start date, no refund/credit/personal transfers will be issued. You may transfer your registration to another registrant with no penalty up until the day of the seminar. No credits/refunds/personal transfers will be issued for no shows. If ADAPT must cancel a seminar due to insufficient enrollment, your registration fee will be refunded in full. ADAPT is not responsible for non-refundable expenses such as airfare, hotels, transfer fees, or any other expenses associated with a cancellation.

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