POST-TENSIONING DESIGN FOR BUILDING STRUCTURES

THIS INTENSIVE SEMINAR will focus on post-tensioning (PT) design, analysis, and construction considerations. Durability issues and the available PT systems will also be reviewed. Presentations will include hands-on training with practical examples to illustrate the topics covered. Key design concepts, code requirements, and useful design and construction tips will also be discussed.

This seminar is designed for individuals with some experience in PT design.

A half-day seminar (4 PDH/0.4 CEU credits)





POST-TENSIONING INSTITUTE

Stressing the Stronger Concrete Solution

SEMINAR HIGHLIGHTS INCLUDE:

- Post-Tensioning Technology: Recent innovations in PT materials, fabrication, installation considerations, common systems, and applicable specifications.
- **Design & Analysis:** Key concepts such as load balancing, secondary moments and prestress losses, applicable recent building code requirements and their impact on design, hands-on preliminary design with factors affecting the selection of structual systems, detailed analysis with techniques for modeling of one-and two-way slabs, and structural drawings and detailing.
- Applications: Project examples to illustrate various uses of PT in buildings, tendon arrangement in common floor systems, use of external PT in the retrofit of existing structures, and facts and myths about post-tensioned structural members as compared to reinforced concrete members.
- Construction: Installation considerations, common design mistakes, issues related to drawing review, site inspection, interaction with other trades, various structural element interaction, and construction/coordination issues; repair of post-tensioned structures.

WHO SHOULD ATTEND:

- Engineers
- Designers / Architects
- Building Officials
- · Plan Checkers
- Code Specifiers
- Project Managers
- · Contractors and Installers
- Inspectors
- Students

Others involved in PT

SCHEDULE:

Registration: 7:30 a.m.—8:00 a.m./Seminar: 8:00 a.m.—12:00 p.m.



SEMINAR REGISTRATION FORM

Post-Tensioning Design for Building Structures

SEMINARS WILL BE PRESENTED BY ONE OR TWO OF THE FOLLOWING SPEAKERS:

Rashid Ahmed, P.E., S.E.—Walker Parking Consultants Mr. Ahmed has many years of experience in PT design and has been instrumental in the design of several parking structures in North America. He is involved in many professional societies in the U.S. He is actively involved with PTI by chairing the Building Design Committee and as a member of the Technical Advisory Board. Mr. Ahmed is a member of ACI Committee 362, Parking Structures, and Joint ACI-ASCE Committee 423, Prestressed Concrete.

Bryan Allred, P.E., S.E.—Seneca Structural Engineering Mr. Allred has extensive experience in PT design. He is a member of the Structural Engineers Association of California (SEAOC), ACI, and PTI. His primary consulting practice is in the design of post-tensioned concrete buildings and the use of PT in the retrofit of existing structures. Mr. Allred has taught numerous structural engineering courses at both California State Polytechnic University, Pomoma; and the University of California, Irvine.

Donald Kline, P.E.—Founder and Principal, Kline Engineering & Consulting, LLC Mr. Kline has over 24 years of experience in the design, construction, and repair of post-tensioned concrete structures. He serves on several PTI and ACI committees, including DC-20, Building Design; the PTI Technical Advisory Board (TAB); and Joint ACI-ASCE Committee 423, Prestressed Concrete. Mr. Kline serves on the PTI Board of Directors and is the current Vice President of the ACI National Capital Chapter.

Cary Kopczynski, P.E., S.E., FACI—Senior Principal & CEO, Cary Kopczynski & Company Mr. Kopczynski has broad experience in the design of post-tensioned concrete buildings. His firm's projects include apartment and condominium towers, office buildings, hotels, and parking structures. Mr. Kopczynski is a member of several ACI Committees, including ACI Committee 318, Structural Concrete Building Code, and is a Past President of the ACI Washington State Chapter. He chairs the Technical Advisory Board of PTI and serves on the PTI Board of Directors.

Miroslav F. Vejvoda, MBA, P.E.—Technical Director, Post-Tensioning Institute Mr. Vejvoda is responsible for PTI's technical publication development, is Secretary of the Technical Advisory Board (TAB), and is the Editor of the *PTI JOURNAL*. He provides technical assistance on matters related to PT design and construction. He has been involved in the design and construction of all kinds of PT applications across the U.S. and in Europe for over 25 years. He is a Fellow of ASCE and ACI and is a member of ACI Committees 301, Specifications for Concrete; 350, Environmental Engineering Concrete Structures; and Joint ACI-ASCE Committee 423, Prestressed Concrete.



Register online at the PTI website or complete this form and submit with payment to:

POST-TENSIONING INSTITUTE

Stressing the Stronger Concrete Solution™

38800 Country Club Drive, Farmington Hills, MI 48331 Phone: (248) 848-3180 • Fax: (248) 848-3181 Website: www.post-tensioning.org

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Name(s) of attendees

Seminar location/date

Company name	
Street address	
City, State	Zip code
Phone	
E mail address	

Payment information:

Total amount enclosed:

Check one	Registration fee for	Advance fee (paid at least 30 days before seminar)	Regular fee
	PTI member	\$200.00	\$250.00
	PTI nonmember	\$250.00	\$300.00

Payment method:		Credit card (circle one)			Check (on U.S. Bank)
	Visa	MasterCard	American Express	Discover	
Cardholder name					
Billing address					
City, State				Zip co	de
Credit card #				Exp. da	ate
Signature					

Refund Policy: PTI will refund registration fees if canceled in advance of the seminar as follows: 100% of the fees will be refunded for requests made more than 21 days in advance of the seminar; the fee less an US\$85 cancellation charge will be refunded for requests made 8 to 21 days in advance; and no refunds will be issued for requests made within 7 days of the seminar.