

YOU ARE INVITED!

MAPEI Corporation invites you to attend a complimentary half-day AIA/RCEP accredited seminar at The Washington Athletic Club in Seattle, WA. Focusing on all aspects of concrete rehabilitation, the seminar will offer 4 continuing education credits.

WHEN: Tuesday, February 25, 2020,
from 8 a.m. until 1 p.m.

WHERE: The Washington Athletic Club, Meisnest Room
1325 Sixth Avenue
Seattle, WA 98101

The experts at MAPEI will offer the following learning objectives:

- **Corrosion protection:** Techniques for corrosion protection within concrete rehabilitation
- **Parking deck systems:** Flexible waterproofing membrane for heavy pedestrian and vehicular traffic
- **Concrete deterioration and its impact on coatings' performance and design**
- **FRP strengthening:** Strengthening concrete structures with fiber-reinforced polymers

One AIA CEU credit will be awarded to attendees for each subject addressed. MAPEI will provide you with an AIA certificate or RCEP certificate and will report the four credits to the AIA on your behalf.

AGENDA:

- 7:45 a.m. – Arrival at The Washington Athletic Club
- 8:00 a.m. – Welcome and continental breakfast
- 8:30 a.m. to 12:30 p.m. – Seminars
- 12:30 p.m. – Buffet lunch
- 1:00 p.m. – Depart

Seating is limited.

To reserve your seat, send an e-mail to dfischer@mapei.com with the subject line "RSVP for MAPEI-Engineering Seminar" by Friday, February 14, with the following information:

Name: _____

Company & title: _____

Phone number: _____

Email address at which you want to be contacted: _____

If you have any further questions, please contact **Derrick Fischer** at (253) 328-0715.







SEMINAR PRESENTATION OBJECTIVES:

Presentation #1

MAP_RCEP_036

Corrosion protection: Techniques for corrosion protection within concrete rehabilitation

This course qualifies for the following credits: *1 PDH/HSW Credit*

Purpose

To provide a clear understanding of the natural causes of corrosion of reinforcing steel in concrete assemblies. How to identify the signs, methods to minimize risk of corrosion, and an overview of materials to repair and mitigate corrosion in the future.

Learning objectives

- Understand the basics of how corrosion of reinforcing steel in concrete can occur.
- Identify common signs of where corrosion is taking place and how to minimize its effect on the existing structure.
- Identify proper cleaning and preparation of affected areas with minimal impact to the environment and structure.
- Identify the basic low-VOC materials and methods used to remediate or protect from future corrosion.

Presentation #3

MAP_RCEP_044

Concrete deterioration and its impact on coatings' performance and design

This course qualifies for the following credits: *1 PDH/HSW Credit*

Program objectives

- Identify environmental and service-related causes of concrete deterioration and the resulting effect on the structure.
- Understand the objectives of specifying protective coatings for concrete and the potential contribution that this has on environmental and economic sustainability.
- Identify specific performance measures of coating systems and understand how these can counteract the environmental effects of concrete deterioration.
- Compare specific performance data points to assess absolute and relative performance of a coating system in theory and in practice.

Brian Stratman, P.E., is the Business Development Leader for Corrosion and Structural Strengthening with MAPEI Corporation. A graduate in Civil Engineering from OSU, Brian's work experience includes structural design of commercial and retail structures, power and industrial concrete repairs and grouting, steel piling, and FRP strengthening. He also holds certification as a NACE Cathodic Protection Technician (CP2). Brian is a voting member of both the strengthening and corrosion committees of ICRI, as well as a consulting member of the ACI 440 committee.

Rankin Jays is the Business Development Leader – Coatings with MAPEI Corporation. Rankin has more than 30 years' experience in the paint and coatings industry. During that time he has worked in technical and product management roles and achieved a master's degree in Business Administration.

Etien Frett, P.E. is the Western Regional Sales Manager-Concrete Restoration Systems with Mapei Corporation. With a M.S. in Civil Engineering from California State University Fullerton, Etien has 25 years of experience in concrete restoration, specializing in repair of parking garages, building facades, and civil structures. Etien is currently a voting member of ACI Committee 546-D Packaged Repair Materials and a member of ACI Committee 546-E Corrosion Studies.

Presentation #2

MAP_RCEP_034

Parking deck systems: Flexible waterproofing membrane for heavy pedestrian and vehicular traffic

This course qualifies for the following credits: *1 PDH/HSW Credit*

Purpose

This course will provide an overview of the features and benefits of parking deck coating systems. It outlines the "best practices" for the repair of the concrete substrate, detail work, cleaning, preparation and installation of epoxy and urethane parking deck systems.

Learning objectives

- Identify the basic preparation and repairs needed before application of polyurethane systems.
- Identify the basic materials and methods used to install two-component polyurethane systems.
- Identify common causes and remedies during the application of a polyurethane deck coating.

Presentation #4

MAP_RCEP_049

FRP strengthening: Strengthening concrete structures with fiber-reinforced polymers

This course qualifies for the following credits: *1 PDH/HSW Credit*

Program objectives

- Understand the basics about fiber reinforced polymers (FRP) as well as their behavior characteristics.
- Understand the differences between the types of fibers as well as the advantages and disadvantages of each type.
- Gain an understanding of the design requirements of FRP materials.
- Understand the basic installation procedure for each type of system as well as the quality-control checks that may be performed.

Keynote speakers:

