

Agenda

Presented by Julius Chang and Marilisa Stigliano

Project Management Overview

- Project manager skills and responsibilities
- Design and construction process
- Project phases
- Project teams
- Contracts and agreements

Project Delivery and Financing

- Defining the project
- Procurement process
- Project delivery methods
- Financing
- Project examples

Planning for Scope, Schedule and Budget

- Establish project objectives
- Planning scope
- Planning schedule
- Planning budget
- Planning for risk management

Executing, monitoring and controlling

- Scheduling and cost control
- Resource management
- Managing schedule
- Monitoring progress (earned value, estimate at completion)
- Managing change

Construction Phase and Close-out

- Managing resources
- Quality control and assurance
- Safety
- Handling changes, delays and disputes
- Project closeout and evaluation

Additional topics in Project Management

- Emerging PM tools
- Agile project management
- Business intelligence

Seminar Wrap-up and Conclusion



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Project Management for Engineers

Live, Interactive Webinar - Friday, September 13, 2024



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Learning Objectives

You'll be able to:

Assemble project teams and prepare project documents.

Evaluate project delivery methods with real world examples and get tips on project financing.

Plan project scope, schedule and budget.

Control costs, and manage resources and schedules.

Control quality and manage safety.

Explore emerging project management tools.



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Project Management for Engineers

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Assemble project teams

Explore project scope and financing

Plan schedules and budgets

Manage resources and control costs

Participate in quality control and project close-out

Continuing Education Credits

Professional Engineers

7.5 PDHs*

*This course is not approved in New York; please refer to specific state rules to determine eligibility



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Webinar Information

Online - Friday, September 13, 2024

Log into Webinar 8:30 - 9:00 am CDT	Break 12:30 - 1:00 pm CDT
Morning Session 9:00 am - 12:30 pm CDT	Afternoon Session 1:00 - 5:30 pm CDT

Tuition
\$339 for individual registration.
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Faculty

Julius Chang
Senior Lecturer in Civil Engineering at Columbia University
A practicing academic, Dr. Chang is currently a senior lecturer in Civil Engineering at Columbia University, where he teaches graduate and undergraduate courses in construction engineering and management. He is the NY/NJ Project Controls Lead for HDR, where he oversees a staff of project controls professionals providing services in cost estimating, scheduling, document control, risk management and data analytics. He has over 30 years of practical work experience in the design and management of transportation infrastructures facilities and is a registered professional engineer in the State of New York. Dr. Chang received BS and MS degrees in Civil Engineering from Columbia in 1986 and 1989, respectively, an MS and Mastère in International Energy Management and Policy from the University of Pennsylvania and the IFP School (France) in 1991, and a doctorate in civil engineering from Columbia in 2007.

Marilisa Stigliano
SVP Financial, Planning & Analysis at STV group
Ms. Stigliano is the senior vice president of financial planning and analysis at STV Group. In her current role, she is responsible for budgeting, forecasting, financial modeling, and providing key financial and strategic analysis for the company. Previously, she served as the vice president of corporate operations, focusing on the successful delivery of projects to achieve company performance goals, and identifying and implementing best practices in project management, reporting, and technical delivery. Prior to her tenure at STV, Ms. Stigliano held several positions at AECOM, including director of operations for Metro New York. Her extensive experience spans all infrastructure markets in both regional and national roles, including project and program manager, operations manager, and director of operations. An operational excellence enthusiast, she has led key initiatives to drive cross-business unit collaboration, increase synergies, reduce inefficiencies, and enable investments for business growth. Ms. Stigliano is an active industry leader and advocate. She co-founded the Young Professionals Committee with the New York Building Congress and has served on their board of directors. She currently serves on the board of directors for Professional Women in Construction (PWC) NY Chapter. Committed to fostering the next generation of industry professionals, she serves on the advisory board of the Columbia University Center for Buildings, Infrastructure, and Public Spaces. Additionally, she teaches “Industry Field Studies in Project Management” at Columbia Engineering, focusing on both Traditional and Agile Project Management methodologies. Ms. Stigliano holds a bachelor's degree in Civil Engineering and a master's degree in Structural Engineering from La Sapienza University. She also earned a master's degree in Construction Engineering and Management, as well as an executive MBA from Columbia University. She is a certified Project Management Professional (PMP), Agile Practitioner (PMI-ACP), and a Designated Design-Build Professional (DBIA).

Credit Information

This webinar is open to the public and is designed to qualify for 7.5 PDHs for professional engineers in most states. *This course is not approved in New York; please refer to specific state rules to determine eligibility.

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Additional Learning

- Structural Engineering Calculations for Wood Construction**
- Tuesday, August 27, 2024 | 10:00 am - 1:15 pm CDT
 - Physics of Construction of a Building**
- Wednesday, August 28, 2024 | 8:30 am - 4:30 pm CDT
 - Innovative MS4 Stormwater Management Practices and Procedures**
- Thursday, August 29, 2024 | 9:00 am - 12:15 pm CDT
 - Bottle Bill Laws and Legislation: An Update for Planners, Engineers, Attorneys and Public Officials**
- Wednesday, September 4, 2024 | 10:00 am - 1:00 pm CDT
 - Single-Use Plastic Bans and Restrictions: An Update for Planners, Engineers, Attorneys and Public Officials**
- Wednesday, September 4, 2024 | 2:00 - 5:00 pm CDT
 - Engineered Lumber Design and Construction**
- Monday, September 9, 2024 | 9:00 am - 5:00 pm CDT
 - Ethical Issues in Structural Engineering**
- Tuesday, September 10, 2024 | 10:00 - 11:00 am CDT
 - Plumbing Basics for Non-Plumbing Professionals**
- Tuesday, September 10, 2024 | 8:30 am - 3:30 pm CDT
 - Complying With the International Existing Building Code**
- Thursday, September 12, 2024 | 9:00 am - 5:00 pm CDT
 - Aerial Mapping for Land Surveyors and Civil Engineers**
- Monday, September 30, 2024 | 9:00 am - 4:00 pm CDT
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