

RESERVE YOUR SPOT

November 13–15, 2018

Renaissance Cleveland Hotel
Tower City Center, 24 Public Square
Cleveland, OH 44113

Hotel Information

A block of rooms have been reserved at a discounted rate for attendees at the Renaissance Cleveland Hotel. The block will close on October 21, 2018 or when all rooms are filled, whichever occurs first. Visit hotel.infrastructureimperative.com to reserve your room.

REGISTRATION

Attendee Registration Pass:

EARLY BIRD RATE: \$599

Deadline: August 10, 2018 at Midnight

REGULAR RATE: \$649

Deadline: September 28, 2018 at Midnight

LAST CALL RATE: \$699

Deadline: November 6, 2018 at Midnight

ON-SITE RATE: \$799

November 7 through on-site

Full Conference Government/ Public Agency/University Pass:

EARLY BIRD RATE: \$499

Deadline: August 10, 2018 at Midnight

REGULAR RATE: \$549

Deadline: September 28, 2018 at Midnight

LAST CALL RATE: \$599

Deadline: November 6, 2018 at Midnight

ON-SITE RATE: \$699

November 7 through on-site

registertoday.infrastructureimperative.com

Attendance Policy

Attendance at this event is reserved exclusively for commercial and public construction professionals including, but not limited to architects, structural and civil engineers, spec writers, general building construction contractors, specialty contractors (concrete contractors), concrete producers, and precasters, public works officials and members of industry related groups, associations and committees.

All building product manufacturers, construction equipment, tools, material companies and service providers must pay a fee as official sponsors and/or exhibitors of this event to attend. Building product manufacturers, construction equipment, tools, material companies and service providers can contact Greg Cooke via email at gcooke@hanleywood.com for more information on sponsor/exhibitor opportunities.



INFRASTRUCTURE
IMPERATIVE

One Thomas Circle, NW
Suite 600
Washington, DC 20005

November 13–15, 2018

Renaissance Cleveland Hotel
Tower City Center, 24 Public Square
Cleveland, OH 44113

Passes are limited. Register Today!

registertoday.infrastructureimperative.com

If you are a public works official, city engineer, designer, or builder of infrastructure, this is your must-attend event!

We'll focus on the execution of new capital-expenditure infrastructure projects. How can we make the construction process smoother and more efficient and build the kind of quality infrastructure at the reasonable price that the public demands? Attend to delve into this and so many more essential questions.



INFRASTRUCTURE IMPERATIVE
BUILDING A SMARTER TOMORROW

November 13–15, 2018
Cleveland, OH

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JOIN US

for this premier event in the **commercial construction** and **public works** industries designed to foster innovative thinking and idea exchange around designing and building resilient infrastructure in the 21st century.

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CONCRETE
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The
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MEET THE DEANS



KEYNOTE

Thomas W. Smith III
Executive Director,
American Society of
Civil Engineers (ASCE)

Every four years, America's civil engineers provide a comprehensive assessment of the nation's infrastructure in the American Society of Civil Engineers' (ASCE) Infrastructure Report Card. ASCE Executive Director Tom Smith will be on hand to explain the current D+ grade, the cost of failing to act, and how the country might take a step forward in the next decade.



Ann Ellis
MP, Ellis Global

HOW TO STREAMLINE INFRASTRUCTURE PROJECTS

A leader in the AEC industry, Anne Ellis has experience with small, medium and industry-leading businesses delivering design, construction and management services across a range of markets including transportation, facilities, environmental, power and energy. She brings clarity, competence and structure to technical, business and geopolitical challenges. Her industry insights are relied upon by government and business leaders. Ellis' expertise has been recognized through many leadership positions in the industry.



Jacques Marchand
Eng., Ph.D., President,
Simco

DESIGNING AND BUILDING RESILIENT INFRASTRUCTURE

Jacques Marchand is president of SIMCO Technologies Inc., an engineering firm offering leading-edge solutions for the design and maintenance of concrete infrastructure. A recognized specialist in the field of concrete durability, Mr. Marchand is currently involved as consultant in numerous major construction projects in North America, Europe and the Middle-East. He also participates in a wide range of projects aiming at finding the optimum solution for extending the useful life of existing structures affected by various types of damage resulting from exposure to severe environments.



Gregg Schoppman
Principal, FMI

IMPROVING CONSTRUCTION PRODUCTIVITY

As a principal with FMI, Gregg specializes in the areas of productivity and project management. He also leads FMI's project management consulting practice. Prior to joining FMI, Gregg served as a senior project manager for a general contracting firm in central Florida. He has completed complex and sophisticated construction projects in the several different niches and geographic markets. He has experience as a construction manager and directly managed labor. Gregg has expertise in numerous contract delivery methods. He was named one of the Top 25 Consultants of 2014 by Consulting Magazine.

EVENT SCHEDULE

TUESDAY, NOVEMBER 13

4:00 PM - 7:00 PM
REGISTRATION

6:00 PM - 8:00 PM
OPENING RECEPTION

WEDNESDAY, NOVEMBER 14

8:00 AM - 9:00 AM
BREAKFAST

Discussion of Trends in Housing and How They Will Impact Infrastructure

9:00 AM - 10:20 AM
HOW TO STREAMLINE INFRASTRUCTURE PROJECTS, PART 1

This session focuses on the planning phase of large infrastructure projects, including permitting, estimating, scheduling, and project management. How can we smooth out the process?

OVERVIEW OF HOW TO STREAMLINE INFRASTRUCTURE PROJECTS

The nature of infrastructure construction is changing with evolving partnerships, new funding models, and rapidly developing technology. When we look to the future of our country's cities, roads, ports and bridges, we are really laying the groundwork today. Ellis will discuss how public agencies, engineering and construction firms can

work together to set appropriate standards today that will endure in the long-term.

Dean: Anne M. Ellis, Managing Principal, Ellis Global

SMOOTHING THE FEDERAL PERMITTING PROCESS

The Trump Administration has vowed to simplify the permitting process for infrastructure projects. In this segment, Leah Pilconis will focus on expediting the environmental review and permitting process.

Speaker: Leah F. Pilconis, Senior Environmental Counsel—Environmental Law & Policy, Associated General Contractors of America

IMPROVING PROJECT DELIVERY THROUGH DESIGN-BUILD

Traditional design-bid-build creates an adversarial relationship that can hinder efficiency. Design-build, on the other hand, has been successfully used on public projects to increase collaboration while still protecting the public interest. Design-Build ranges across a spectrum from almost as dysfunctional as Design-Bid-Build all the way to almost as collaborative as Integrated Project Delivery. Ms. Dal Gallo will discuss these topics.

Speaker: Lisa Dal Gallo, Partner, Hanson Bridgett LLP

10:20 AM - 10:40 AM
COFFEE BREAK

10:40 AM - 12:00 PM
HOW TO STREAMLINE INFRASTRUCTURE PROJECTS, PART 2

HOW RAPIDLY CHANGING TECHNOLOGY IS IMPACTING INFRASTRUCTURE DESIGN AND CONSTRUCTION

With lessons that span the education sector, from construction to curriculum, Mr. Lindsey will explore how the rapidly growing \$38 billion education infrastructure gap provides an opportunity to reconsider the lifecycle of public infrastructure projects. Furthermore, Mr. Lindsey will look at how blockchain technology could impact the efficiency, transparency, and sustainability of infrastructure design and delivery.

Speaker: Andrew Lindsey, Market Strategist, Alpha Corporation

CASE STUDY & PANEL DISCUSSION

Speakers: Anne Ellis, Leah Pilconis, Lisa Dal Gallo, & Andrew Lindsey

12:15 PM - 2:00 PM
LUNCHEON & KEYNOTE ADDRESS

Every four years, America's civil engineers provide a comprehensive assessment of the nation's infrastructure in the American Society of Civil Engineers' (ASCE) Infrastructure Report Card. ASCE Executive Director Tom Smith will be on hand to explain the current D+ grade, the cost of failing to act, and how the country might take a step forward in the next decade.

Keynote Address: Thomas W. Smith III, Executive Director of the American Society of Civil Engineers (ASCE)

2:00 PM - 3:30 PM
IMPROVING CONSTRUCTION PRODUCTIVITY, PART 1

Improving productivity on infrastructure projects so projects stay on-schedule and on-budget is imperative and some projects have done this successfully. But how does that happen?

ACHIEVING OPERATIONAL EXCELLENCE

Three companies have teamed up to dive into Big Data to learn why construction industry productivity remains so persistently low. FMI Corporation, a management consulting and investment banking firm for the construction industry, is one of those companies set to analyze the data. Schoppman will discuss the key drivers of productivity loss and how firms can overcome this hurdle. He will also address recent internal and external factors that impact construction productivity and how best of class firms are transforming the industry.

Dean: Gregg Schoppman, Principal, FMI

REINVENTING CONSTRUCTION THROUGH A PRODUCTIVITY REVOLUTION

Corey Hopper will present findings from McKinsey Global Institute's report, "Reinventing Construction," which explores the opportunity to boost the value added to the global economy by \$1.6 trillion. Hopper will explore the drivers of productivity: external issues, industry considerations, and contract barriers, and look at ways to align the expectations of all parties involved.

Speaker: Corey Hopper, Strategy Consultant, McKinsey & Company

3:30 PM - 3:50 PM
COFFEE BREAK

3:50 PM - 5:00 PM
IMPROVING CONSTRUCTION PRODUCTIVITY, PART 2

TRANSFORMING THE BEST IDEAS IN INFRASTRUCTURE INTO REALITY

Smart City Works is a new class of business accelerator that identifies and speeds commercialization of the most promising ideas and companies focused on improving how we design, build, and operate civil infrastructure. Learn how this process is leveraging technology to change the game in the design and construction of tomorrow's infrastructure.

Speaker: Greg Sauter, Founder and CEO, Smart City Works

CASE STUDY & PANEL DISCUSSION

Speakers: Gregg Schoppman, Corey Hopper, & Greg Sauter

5:30 PM - 7:00 PM
COCKTAIL RECEPTION

THURSDAY, NOVEMBER 15

8:00 AM - 9:00 AM
BREAKFAST

9:00 AM - 10:30 AM
DESIGNING AND BUILDING RESILIENT INFRASTRUCTURE, PART 1

As we invest in new infrastructure, we should be improving its resilience by increasing the design life and performance.

• How do we define and specify durability?

• What innovations are needed or available today in materials, construction, and design?

• When infrastructure repairs need to be made how can we assure they will be resilient?

DURABILITY IN INFRASTRUCTURE DESIGN AND CONSTRUCTION

How do you define project life-cycle? We need to be more specific about what we expect from infrastructure projects, and how engineers, construction firms, and public agencies can work together to produce truly resilient structures moving forward. Dr. Marchand will present examples of projects in which durability and resilience are being redefined.

Dean: Dr. Jacques Marchand, President, SIMCO Technologies

COMMUNITY RESILIENCE AND THE ROLE OF INFRASTRUCTURE

The ability of a community to withstand a natural disaster is dependent on the investments made in design, construction, and operations under "normal" conditions and how the community addresses its risks and vulnerabilities. This presentation will explore the path forward for delivery and operation of resilient infrastructure.

Speaker: Ryan M. Colker, Director of the Consultative Council and Presidential Advisor National Institute of Building Sciences

ENSURING SAFETY AND DURABILITY IN INFRASTRUCTURE CONSTRUCTION

Public safety is the most critical factor to consider when we talk about infrastructure durability. In concrete infrastructure, public safety depends on important structural connections, such as adhesive anchors. Morrison will discuss how ACI's certification programs address this need.

Speaker: Mike Morrison, Manager, Certification Program Development American Concrete Institute (ACI)

10:30 AM - 10:50 AM
COFFEE BREAK

10:50 AM - 12:00 PM
DESIGNING AND BUILDING RESILIENT INFRASTRUCTURE, PART 2

The reality today of providing a 100+ year service life has been limited by our ability to have a comprehensive multidisciplinary and integrated approach where different relevant parties can provide direct input in the process of developing appropriate alternatives for design, construction, repair and maintenance of these durable structures. This presentation provides a perspective from the design-builder practitioner on lessons learned, challenges and opportunities.

Speaker: Oscar Antommattei, Concrete Engineering Manager, Kiewit Engineering Group

CASE STUDY & PANEL DISCUSSION

Speakers: Jacques Marchand, Ryan M. Colker, Mike Morrison, & Oscar Antommattei

12:00 PM - 12:15 PM
CLOSING REMARKS