



COLUMBIA | CBIPS

Center for Buildings, Infrastructure and Public Space

Physical Infrastructure Cybersecurity Colloquium

May 8, 2019



Intro by Marcos Diaz Gonzalez, AECOM



Ray Daddazio, Thornton Tomasetti

The Center for Buildings, Infrastructure and Public Space held the second Industry Advisory Board Meeting on May 8, 2019, at Columbia's Faculty House. Board Members, Alumni, and Fellows heard an update on the activities of the CBIPS, including research projects, field studies, and site visits. The meeting also convened the Columbia Physical Infrastructure Cybersecurity Colloquium at which we heard from industry experts in both the public and private sectors on the implications of cybersecurity for physical infrastructure:

- Standards and regulations needed to govern cyber response and Service Level Agreements
- Need for employee training and public education to raise awareness of the risks of cyber attack
- Conflict between connectivity and transparency on the one hand, and security on the other
- Costs of changes in networks and capital projects to assure physical and logical safety
- Benefits of collaboration and partnerships between public and private sector organizations



Panel moderator Jerry Buckwalter, Northrup Grumman



CBIPS Fellows and Alumni participated in the discussion



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Center for Buildings, Infrastructure and Public Space

Inaugural Advisory Board Meeting

October 4, 2018



Dean Mary Cunningham Boyce giving introductory remarks



Advisory Board ponder "What If" scenarios for the future

The Center for Buildings, Infrastructure and Public Space held its first Advisory Board Meeting on October 4, 2018, at Columbia's Faculty House. Board Members, Alumni, and Fellows heard from Fu Foundation School of Engineering and Applied Science Dean Mary Cunningham Boyce, Department Chair George Deodatis, and CBIPS Executive Director Feniosky Peña-Mora about the goals, aspirations and purpose of the CBIPS. The heart of the half-day meeting touched on the key issues and challenges facing engineers and other design and construction industry professionals today in New York City and around the world. Among the topics discussed:

TRADE POLICY: recognizing that a trade war with China will disrupt material supply and project pricing

PROJECT DELIVERY: thinking of alternative methods such as Design-Build and Public-Private Partnerships

RESILIENCE AND PREPAREDNESS: addressing multi-hazard mitigation, not single challenges one at a time

CONSTRUCTION MARKET: noting that tax cuts could have significant impact on the residential market



Tom Scarangello, Thornton Tomasetti, leading the response



CBIPS Fellows and Alumni participating in the discussion