

Sunday, April 12

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| 2:00 - 3:00 pm | <p>Smart Cities Benefit All Stakeholders GIS by survey grade for construction is the foundation to building a map of a city. It must involve each of the most important stakeholders, including government officials, citizens, and the private sector, or face tremendously difficult obstacles. Each layer must be managed by the relevant agency, gathered to form a complete package which can then be selectively opened to third-party application developers. This presentation will show 3D data acquisition and integration that can be viewed in the field real time as demonstrated on a project in Las Vegas.</p> <p>Speakers: Michael Frecks, President/CEO, Terrametrix Keith Warren, Senior Program Manager, Nevada CALTROP Corporation</p> | <p>Apps for Use in Construction This session will describe how apps on mobile devices can manage five workflows for construction projects. These five workflows are markup of plans, progress photos, safety reports, daily reports, and schedule management. The session includes a live app demonstration showing how various apps can be used to manage workflows in real time and collaborate with team members on a project site.</p> <p>Speakers: Rob McKinney, Safety Director, J.M. Wilkerson Construction</p> | <p>The Future of CM/PM: Evolve or Die As the construction industry continues to change, the traditional approach to construction management and program management services is becoming less and less sustainable for both owners and CMs. In this session, a diverse panel from the CMAA College of Fellows will explore the factors that are driving change in our industry and why we must either adapt or go the way of the dinosaurs. It will be an interactive discussion on how the CM/PM practice not only will, but must evolve in the coming decades.</p> <p>Speakers: Chuck Kluenker, PE, FCMAA, Vice President, Vanir Ron Price, CCM, FCMAA Bob Fraga, FCMAA, VP, Regional Manager & Director of Facilities Portfolio Management Services, MBP Randy Larson, PE, CCM, FCMAA Blake Peck, CCM, FMCAA, President & COO, MBP</p> |
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| 3:30 - 5:00 pm | <p>Opening Plenary Session & Keynote Data Spies, Hackers and Internet Attackers John Sileo, CEO, The Sileo Group</p> <p>Every move you make in the digital world is tracked, recorded and exploited. Tools like smartphones, iPads, cloud computing and social media prompt a fresh look at an age-old truth: Information is Power. But are you in control of your digital footprint? Do you understand the risks of social media, cloud computing, smartphones, tablets, and Wi-Fi? Cybersecurity consultant and author John Sileo will share practical advice on keeping both your own and your organization's data safe.</p> |
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Monday, April 13

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| 7:30 - 9:00 am | <p>Breakfast Plenary Session & Keynote How Intel is Revolutionizing their Capital Program Delivery John Pemberton, Vice President and General Manager of Global Construction, Intel Corporation</p> <p>Intel's changing business environment and construction challenges are similar to what other owners with capital projects face. John Pemberton will showcase Intel's journey for making organizational change to implement lean construction practices and their continuous improvement commitment. Central to their "Construction Revolution" is Integrated Project Delivery which is helping to radically reduce capital expenditure and improve productivity.</p> |
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| 9:30 - 10:30 am | <p>Virtual Reality for Project Management Technology gives us new and improved ways to visualize our projects. Thanks to recent breakthroughs in Virtual Reality, technology previously affordable only for large users has become available to individual consumers....or design firms. Come see how one firm is using the latest in immersive technology to help clients walk through their sites and buildings before the ground has been broken. This presentation includes an introduction to the history and progress of VR in the AEC field, plus an interactive demonstration in which attendees can experience the Oculus Rift VR headset.</p> <p>Speaker: Daniel Clayson, Applications Developer, STV Inc.</p> | <p>You Bought It: Now What? Key Success Factors for Implementing a Project Management System The Charlotte Area Transit System (CATS) was approaching the construction of their Blue Line Extension project. A key part of their approach was to deploy a comprehensive project management system that could increase collaboration and accountability while enabling effective financial management. HNTB, the project CM, was chartered to assist with implementation of the selected project management tool. This project provides many valuable insights into the broader considerations involved in effectively implementing a comprehensive management.</p> <p>Speakers: Erik Blum, PE, Vice President, HNTB Danny Rogers, Project Director, CATS Tiffany Morris, Project Manager, CATS Thomas Yeatts, Sr. Project Analyst, HNTB Corp. Brian Stover, PE, Senior Project Manager, HNTB Corp.</p> | <p>MnDOT Scheduling Culture Change Using P6 Minnesota DOT determined that to be fully transparent and accountable to the legislature, they needed a culture change in how to plan and execute projects large and small. Critical Path Methodology through P6 was identified as a necessary tool but the premier challenges were for leaders, project managers and staff to solidify typical work flow templates with resource allocations on the various complexities of projects. The development, communication and resulting education on those templates became an exercise for increased efficiency and productivity across a wide number of functional groups.</p> <p>Speakers: Jeff Dohlby, PE, VP-Operations Manager, PM/CM Manager, URS Jay Hietpas, PE, Office of Project Management Section Director, MnDOT</p> |
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| 11:00 am - 12:00 pm | <p>SharePoint Program Portal for Construction Lydon Solutions has developed a SharePoint program portal for construction management that centralizes: project management dashboards and reporting; content management of all project content; collaboration tools such as Yammer and Lync; construction software hosting and integration for products such as P6 and Arc GIS; and integration services to all major enterprise software products. This platform has been implemented as a SAAS model on multi-billion dollar projects and has resulted in significant costs savings to clients.</p> <p>Speakers: Jeff Lydon, President, Lydon Solutions</p> | <p>Using GPS Technology and Web Based Data Management on a University Utility Project Technology has improved the efficiency of project execution but it cannot replace the need for good project management and CM skills. The presentation will provide lessons learned on how the CM role is critical to project success. A panel of project team members will discuss how they utilized GPS technology and web-based data management to improve the execution of a utility upgrade project. The CM's role as the coordinator of multiple stakeholders on a project will be highlighted.</p> <p>Speakers: Craig Lucas, PE, CCM, Vice President, Kwame Building Group Tony Simmons, CCM, Senior Project Manager, Kwame Building Group Craig Miller, Director Facilities Planning and Management, Webster University Rico Bertucci, PE, Project Manager, Castle GPS</p> | <p>Southern California Owners Perspective How will new technologies impact upcoming projects and programs from major Southern California agencies? What resources and capabilities will service providers need to support these clients? Hear up-to-the-minute views from the City of Los Angeles, Port of Los Angeles, Caltrans and other major regional infrastructure owners. This session will help you anticipate what major owners will expect as they move future projects from planning into the field.</p> <p>Speakers: Rebecca Jones, President & CEO, Safework, Inc. Moderator Gary Lee Moore, PE, City Engineer - Bureau of Engineering, City of Los Angeles Shaun Shahrestani, Chief Harbor Engineer, Port of Los Angeles Karen D. Powell, Executive Director of Facilities Planning and Operations, San Mateo County Community College District</p> |
| 12:00 - 1:30 pm | <p>Lunch Plenary Session & Keynote Walt Disney Imagineering: Designing to Dazzle Joseph Joseph, Practice Technology Executive + Imagineer, Walt Disney Imagineering</p> <p>When your customers expect you to dazzle them, again and again, how do you meet that challenge? How do you stay comfortable on the continuously moving "leading edge?" From theme parks to theatrical productions, and from movies to music, Walt Disney Imagineering has thrived at the intersection of creativity and technology.</p> | | |
| 2:00 - 3:00 pm | <p>Program Management for Multiple Facility Owners: How Technology Improves Capital Expenditure Planning CMs serving in the program management role help identify and justify capital expenditures, reduce overall energy footprint and plan operating priorities. It is difficult to maintain the information, predict future requirements, or understand the impact of work not done. This session describes how the MOCAPlan model was used to inventory, estimate and track facility deficiencies; plan construction projects to improve their facility condition index and operating expenditures, and prioritize annual capital expenditures to meet overall goals.</p> <p>Speakers: David Hart, FAIA, Executive Vice President, MOCA Chiti Ho, Vice President - Technology, MOCA Rick Conger, Director of Facilities Services, Canyons School District</p> | <p>State of the Art Tools for Managing CM-At-Risk Contracts at MassPort This case study presentation will discuss four CM-At-Risk contracts showcasing the value of the collaboration tools and systems implemented on each. These tools include BIM throughout the life of projects for scope and value management, clash detection and coordination among trades; BIM360 Glue for viewing models in the field; drones for laser scanning; lean principles (predominately pull planning) to optimize schedules and properly focus the team on deliverables; cloud based management systems to streamline communications for RFIs, submittals, change management; and Delta Acumen Risk, a web-based Monte Carlo risk analysis tool.</p> <p>Speakers: John Audi, PhD, Assistant Director, Project Controls, Massport Andrew Deschenes, Director of Project Services, Consigli</p> | <p>Walt Disney Imagineering: Redefining Innovation and Delivery Walt Disney Imagineering is changing the way architects, engineers, design professionals, and contractors collaborate on large, complex, one-of-a-kind projects. Integrated Project Delivery requires the highest level of collaboration to insure engagement from all required to conceive, design and execute complicated designs. This includes early involvement from trade partners to help guide the design process. Advocating exploitation of BIM + Integration + IPD, this presentation illustrates a prominent owner's efforts to equip Imagineering Teams domestically and internationally as they shift to this collaborative process for projects around the world.</p> <p>Speakers: David Van Wyk, FAIA, Project Management and Integration Studio Executive, Walt Disney Imagineering</p> |

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| 3:30 – 4:30 pm | <p>Leveraging GIS and Project Management Data Learn how the county of San Luis Obispo is pushing technology vendors to deliver solutions that improve project execution, provide increased value to existing GIS investments, and give users a new way of finding project information. This session will look at the Los Osos Collection System project’s unique use of GIS tagging to improve project management and provide a deliverable that the County can use with their GIS system. Participants will also learn how tools developed for CM and public outreach during construction can now be applied to facility operations.</p> <p>Speakers: Eric Law, Founder/CEO, EADOC John Waddell, Los Osos Waste Water Project Manager, County of San Luis Obispo Ron Perkins, Vice President and Construction Services Manager, HDR Engineering</p> | <p>Going from Black to Green - How to Manage a Project Using Technology and Not Paper This session discusses how a large metropolitan agency managing a seven-year, \$4 billion CIP program moved from paper-based CM to an electronic enterprise system. Learn the major steps in successful implementation of an enterprise system including critical client considerations, including how to change existing culture to foster cooperation, define priorities both before and after implementation, balance the needs of end users while satisfying IT personnel and provide a functional system that will not be abandoned. An analysis of project statistics comparing data for paper based processes versus the enterprise electronic process will also be presented.</p> <p>Speakers: Mary Jane Hartney, JD, Project Controls Specialist, AECOM Subhasish Ghosh, Program Controls Manager, AECOM Peter Gauntt, Senior Program Controls Specialist, AECOM</p> | <p>BIM – An Owner’s Perspective Owners across various industries and segments (including healthcare, education and government) are enabling BIM strategies to provide measurable cost reductions while minimizing risks. Scripps Health has developed a series of process-driven improvements to manage BIM and reap the benefits and improvements that have led to reduced project costs and risk as well as happier stakeholders. Learn how these strategies can be transferred to your capital construction program, and the lessons learned that you must consider when thinking about increasing your use of BIM.</p> <p>Speakers: Bruce Rainey, VP Design and Construction, Scripps Health Jon Antevy, Founder & CEO, e-Builder</p> |
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| Tuesday, April 14 | | | |
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| 7:30 – 8:45 am | <p>Breakfast Plenary Session & Keynote The CM’s Role in Resiliency Randy Britt, Director of Sustainability, Parsons</p> <p>Climate adaptation and resiliency planning is the next step in the evolution of the sustainability practice. Owners today are more focused than ever on resiliency, the ability of their facilities and other assets to maintain functions and recover from extreme weather and other major adverse effects. Randy Britt will explore what climate adaptation and resiliency planning is, what is needed in order to deliver it, and which market sectors and clients will benefit most from it.</p> | | |
| 9:00 – 10:00 am | <p>Maximizing the Benefits of Modular Construction This session will provide an overview of the advantages and challenges that modular construction can create in a project delivery process. Common modular construction concepts and practices will be outlined to provide a foundation for understanding the unique nature of this form of construction. The session attendee will be exposed to best practices which will help to insure the successful execution of modular construction projects from planning through completion. Specific focus will be given to three particular topics which will have the largest effect on the successful integration of modular construction into the project.</p> <p>Speakers: Ryan McIntosh, Director of Design Services, Silver Creek</p> | <p>Drones in Construction Management From monitoring jobsite conditions to verifying progress, unmanned aerial systems (aka drones) are becoming more and more common in construction. What are the most appropriate uses for drones? What can they do now and what will they do in the future? What laws and regulations govern the use of drones on project sites? Here the latest from both users and technology experts.</p> <p>Speakers: Michael Zucchi, CEO & Solutions Orchestrator, Zbrella</p> | <p>What Owners Expect to Find in their CM’s Toolbox This presentation will directly inform CMs what owners are looking for as technological tools continue to develop. Learn about the latest technological tools every CM should have in his/her toolbox. See case studies of how these technological tools are being applied successfully to improve projects in terms of quality, budget and schedule. Hear feedback from owners on their expectations for technology usage and how it relates to their expectations of their CMs.</p> <p>Speakers: Dareen Salama, CMIT, BIM Manager, STV, CMAA Emerging Technologies Committee Judith Kunoff, AIA, CCM, FCMAA, Vice President, TranSystems Corporation Luciana Burdi, PhD, Intl. Assoc. AIA, Deputy Director, MassPort</p> |

10:15 - 11:15 am

Get Your Head Out of the Cloud: Understand the Risks of eCommunications

The panel will discuss best practices when using Information Technology to manage a construction project. The conversation will include a consideration of protecting proprietary information, the risks of employee theft, cyber security, appropriate contract terms, and an array of other related topics to bring out the inner geek in all of us.

Speakers:

Christopher Brasco, Partner, Watt Tieder
Kathy Barnes, Partner, Watt Tieder

Delivering Excellence by Integrating Lean Techniques and BIM

It is in the interest of Massport that teams arrive at a unified strategy for team collaboration and BIM development that carries through the entire project. This presentation will present multiple case studies on how BIM and Lean pull planning were used to foster collaboration among diverse stakeholders, increase communication and coordination and improve the planning and efficiency of multiple projects.

Speakers:

Luciana Burdi, PhD, Intl. Assoc. AIA, Deputy Director, MassPort
Dianne Davis, President, AEC Infosystems
Kurt Dettman, Lean Coach, Strategic Enterprise Technology, Inc.

11:30 am - 12:00 pm

**Closing Plenary Session
What CMs/PMs Need and Want from Technology**

A panel of leading CM/PM service providers lead an open discussion on aligning technology products and services with industry needs. What are owners expecting? What problems remain to be addressed? Speakers from HDR, MWH, CDM, and Carollo Engineers, moderated by EADOC Founder Eric Law.