

NetPoint + GPM CONFERENCE

NASHVILLE, TN | MARCH 2 & 3, 2017



PMA Technologies

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DAY 1 - Thursday, March 2, 2017

- 7:30 Conference Registration
- 8:30 **NetPoint® & GPM Training**
Tim Mather, PMP
- 10:30 **Schedule Reliability: Overview of Schedule IQ™**
Seve Ponce de Leon & Sergio Ponce de Leon
- 11:30 **Q&A with NetPoint Developers**
Tim Mather, PMP; Seve Ponce de Leon; & Sergio Ponce de Leon
- 12:00 LUNCH – 90 minutes
- 1:30 **Removing the Early-Dates Bias in CPM Risk Analysis**
Vivek Puri, PhD, PMP, EIT
- 2:30 **How to Produce a Convincing Schedule Delay Analysis**
Gary Jentzen, JD, PE, LEED AP & Don Fredlund, PMP
- 5:00 Conference Reception – 3 Hours | *B.B. King's Blues Club*

DAY 2 - Friday, March 3, 2017

- 8:00 **Keynote – Automate This: Solving the Weather Conundrum**
Gui Ponce de Leon, PhD, PE, PMP, LEED AP
- 9:00 **Using Schedule IQ & NetPoint to Weatherproof your Schedule**
Seve Ponce de Leon & Sergio Ponce de Leon
- 9:45 BREAK – 30 minutes | *Assorted coffees and teas*
- 10:15 **Investigating the Applications of NetPoint for Level 3 Schedules: University of Michigan Research Case Study**
Dr. Carol Menassa; Dr. Vineet Kamat; Naga Veena Tarlana & Vishal Shah
- 10:55 **Successful Interactive Planning Sessions & Efficient Transition Between NetPoint & P6: Biopharm Program in US & China**
Dennis Lucey III, PMP, LEED AP, MCPPO
- 11:50 **Leveraging NetPoint for Planning, Coordination & Analysis: Harvard Allston Science Program**
Chad Rowland & Brian Chase
- 12:35 LUNCH – 90 minutes
- 2:00 **Simplifying the Complex: NetPoint's Role in a Multibillion Dollar Greenfield Construction Project**
Tim Mather, PMP & Dan Molnar, PMP
- 2:55 **The Miracle on Second Ave: Less Is More for the Second Avenue Subway**
Bruce Stephan, JD, PE, PMP
- 3:40 Closing Remarks

Conference Contact

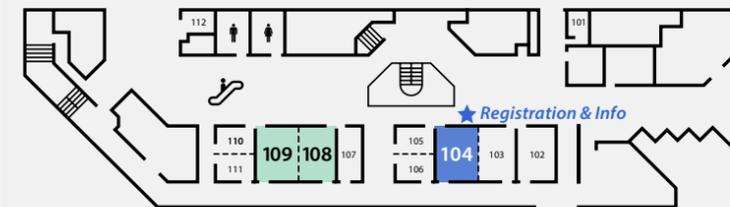
Megan Murphy
781.635.5339
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Hotel Info

Renaissance Nashville Hotel
611 Commerce St, Nashville, TN 37203
615.255.8400

Registration at room #104

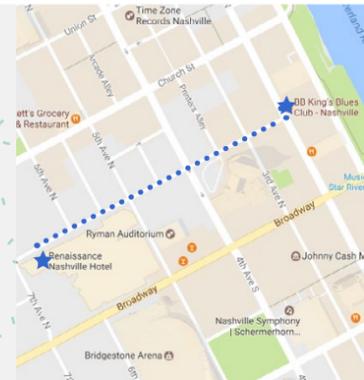
Thursday – 7:30am - 8:30am Renaissance Nashville Hotel – 1st Floor



Conference Reception



Thursday, March 2, 2017
5-8pm
B.B. King's Blues Club
152 2nd Ave N
Nashville, TN 37201
615.256.2727



Day 1 | Thursday, March 2, 2017

GENERAL TRAINING

NetPoint & GPM Training

Thursday | 8:30am - 10:30pm

Attend this comprehensive overview of NetPoint's latest version to learn basic concepts, new features, and important tips necessary to understand the unique aspects of the application. This training class is a perfect precursor for any attendee wanting to get the most benefit from our conference content.

Tim Mather PMP – PMA Technologies

Tim Mather is a collaborative, innovative, business-minded executive with a talent for aligning information technology with the goals and objectives of a business. He orchestrated the launch of PMA Technologies LLC and its flagship product, NetPoint®. Tim has extensive experience in program and project management, P&L, executive leadership, analysis, business processes, business development, software development, and implementation.

INNOVATION TRAINING

Schedule Reliability: Overview of Schedule IQ

Thursday | 10:30am - 11:30pm

Learn the fundamentals of Schedule IQ™, a new NetPoint tool for analyzing schedule reliability. Topics include understanding how IQ scores and corresponding metrics are calculated, healing schedules in real time, creating Excel reports, and analyzing P6 schedules. Attendees will walk away understanding the guiding framework behind Schedule IQ™ and the quickest way to get up and running to improve schedules. Key reference materials will also be shared, including the Schedule IQ Score™ Cheat Sheets.

Seve Ponce de Leon – PMA Technologies

Seve Ponce de Leon manages the design and development of NetPoint. He focuses on quality assurance and quality control, where he conducts software testing, technical documentation, and customer support. Seve has a BS from the University of Wisconsin-Madison.

Sergio Ponce de Leon – PMA Technologies

Sergio Ponce de Leon manages the design and development of NetPoint, where he focuses on feature road maps, UI/UX design, and release coordination. Sergio is pursuing an MS in information with specializations in human-computer interaction and information analysis and retrieval from the University of Michigan.

Removing the Early-Dates Bias in CPM Risk Analysis

Thursday | 1:30pm - 2:15pm

This presentation demonstrates how the early bias in CPM risk analysis leads to optimistic completion distributions, and how GPM risk analysis corrects for the early bias by allowing floating and pacing scenarios. A novel approach is introduced for developing a bounding completion distribution envelope for selecting realistic probabilistic completion dates and for monitoring safe-float use as the project progresses.

Vivek Puri, PHD, PMP, EIT – PMA Consultants

Dr. Vivek Puri completed his bachelor's degree from Punjab Engineering College in Chandigarh (India) and his master's degree from Indian Institute of Technology Madras in Chennai (India). He then earned his doctoral degree in civil engineering from Purdue University, with a specialization in construction engineering and management. Vivek's doctoral work was in the area of simulation applications for construction planning. After his graduation, he joined PMA as a research engineer to identify, improve, and develop NetPoint and NetRisk.

How to Produce a Convincing Schedule Delay Analysis

Thursday | 2:30pm - 4:00pm

Claims experts Gary Jentzen and Don Fredlund discuss how critical the use of graphics is in producing a convincing schedule delay analysis (e.g., using a combination of graphics both in CPM format as well as by simple tables, curves, and histograms showing planned-versus-actual progress, production rates, productivity). The authors have found that triers of fact understand non-CPM graphics much more readily than graphics strictly in CPM format.

Gary Jentzen PE, JD, LEED AP – PMA Consultants

Gary Jentzen has more than 30 years' experience in construction, project, and program management on projects nationwide valuing up to \$14 billion. He is an expert in claims and changes analysis, large complex claims and changes resolution, complex negotiations, and dispute resolution.

Don Fredlund PMP – PMA Consultants

Don Fredlund has more than four decades of experience in program, project, and construction management, including 14 years with large contractors and the balance as a PM/CM consultant. Don serves as Executive Director of PMA's National Claims Practice where he oversees and provides direction to each PMA business unit regarding disputed changes and claims avoidance and analysis and expert witness services.

KEYNOTE

Automate This: Solving the Weather Conundrum

Friday | 8:00am - 8:50am

In this keynote, Dr. Gui unveils how Schedule IQ™ and NetPoint® provide planners an algorithmic solution to the weather planning problem. This vast improvement over current weather methods obviates having to adjust durations for weather (only to see the adjustments invalidated as the schedule is updated and as activities shift into different months) or using weather calendars to impact early dates (only to end up with a float-ruining scenario). The GPM approach to weather planning relies on a *weather pass* that algorithmically generates weather-adjusted durations and weathered early dates based on customizable profiles of historical weather averages from NOAA databases.

Gui Ponce de Leon PHD, PE, PMP, LEED AP – PMA Consultants

Dr. Gui Ponce de Leon is one of our nation's foremost planning and scheduling experts. His professional experience includes roles as investor's developer, construction manager, program manager, and EPC contractor planner/scheduler. Dr. Gui has continually pioneered innovations in project management throughout his 44-year career. With GPM, he is on a quest to transform scheduling from a task performed by specialists using a "black box" to stakeholder-centric processes that promote collaboration, enhance stakeholder interaction, and inherently result in reliable schedules.

Successful Interactive Planning Sessions & Efficient Transition Between NetPoint and P6

Biopharm Program in US & China

Friday | 10:55am - 11:40am

This presentation provides insight into the lessons learned for conducting successful interactive planning sessions (IPS) and the benefits of utilizing NetPoint (& GPM) for planning exercises. It will cover the transition from schedule planning to schedule development and when to utilize NetPoint versus Primavera as the scheduling platform, as each platform provides distinct benefits. The presentation also addresses the transition between the schedule software systems and how to reap the benefits of each while minimizing administrative effort and supporting ongoing schedule planning and development efforts.

Dennis Lucey III PMP, LEED AP, MCPPPO – PMA Consultants

Dennis Lucey has developed, implemented, and managed project controls systems that have delivered effective management tools and successful project completion for over 15 years. Dennis has both project and program experience in project controls, design, construction management, and project management in public and private sectors. With PMA, he performs project scheduling and planning, contract management, schedule and cost controls, time entitlement, and claims analyses for several projects. Industry sector experience includes residential, academic, biopharmaceutical, office/retail, highway, and water/wastewater projects.

Using Schedule IQ & NetPoint to Weatherproof your Schedule

Friday | 9:00am - 9:45am

Incorporating accurate estimates of workday losses due to weather has finally become practical with the introduction of NetPoint 5.2. Join Seve and Sergio as they demonstrate Schedule IQ's weather analysis functionality and provide context for the innovations presented in the keynote. Attendees will learn how to use NOAA historical weather data to improve the reliability of their schedules and get a preview of the forthcoming weather profile and weather mode features.

Seve Ponce de Leon – PMA Technologies

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Sergio Ponce de Leon – PMA Technologies

Sergio Ponce de Leon manages the design and development of NetPoint, where he focuses on feature roadmaps, UI/UX design, and release coordination. Sergio is pursuing an MS in information with specializations in human-computer interaction and information analysis and retrieval from the University of Michigan.

Leveraging NetPoint for Planning, Coordination & Analysis

Harvard Allston Science Program

Friday | 11:50am - 12:35pm

This presentation focuses on how NetPoint has been utilized to develop summary schedule reports, analyze schedule fragments, facilitate interactive planning, and evaluate schedule variances. Key results have included improved communication between all project stakeholders, structured permit/approval outreach with governing agencies, and coordinated construction activity phasing across projects and construction managers.

Brian Chase – Turner Construction

Brian Chase has spent the last 35 years' working his way through various positions, including field operations and purchasing, and is currently a construction executive with overall responsibility for laboratory, healthcare, data centers, and other complex projects located within the Boston marketplace at Turner Construction. Brian is currently responsible for the Harvard Science and Engineering Complex project. He received a BS in civil engineering from Worcester Polytechnic Institute.

Chad Rowland – PMA Consultants

Chad Rowland graduated from Clemson University with a BS in biosystems engineering and an MS in civil engineering. Upon graduation, he worked for a Fortune 500 engineering, procurement, and construction firm where he gained design and construction experience. Chad joined PMA in 2014 and is currently focused on the higher education construction sector.

Investigating the Applications of NetPoint for Level 3 Schedules

University of Michigan Research Case Study

Friday | 10:15am - 10:45am

Join the University of Michigan research team as they present their research project exploring the application of GPM and NetPoint to a level 3 construction schedule. Team members share their findings on building and managing a detailed level 3 NetPoint schedule, including the team's recommendation to implement a tabular interface to allow changes in a dashboard to instantly update the schedule and maintain the benefits of real-time planning while streamlining the entry and editing of bulk data.

Carol Menassa PHD – University of Michigan

Dr. Carol Menassa is an associate professor and a John L. Tishman faculty scholar in the Department of Civil and Environmental Engineering at the University of Michigan. Her current research focuses on sustainability of buildings and infrastructure systems. Carol is the recipient of the 2017 Outstanding Early Career Researcher from Fiatech, 2015 CII Distinguished Professor Award, and 2014 NSF Career Award.

Vineet Kamat PHD – University of Michigan

Dr. Vineet Kamat is a Professor of Construction Engineering and Management at the University of Michigan. Dr. Kamat received his PhD and an MS in civil engineering at Virginia Polytechnic Institute

Simplifying the Complex

NetPoint's Role in a Multibillion Dollar Greenfield Construction Project

Friday | 2:00pm - 2:45pm

PMA's Tim Mather and Dan Molan of Shire explain NetPoint's role with Shire in constructing a 100-acre greenfield campus in Covington, GA. The campus includes 1.2 million SF of building space, including a wastewater treatment facility, manufacturing buildings, laboratory buildings, administrative buildings, and a central utility building. The campus will make therapies used to treat burn victims.

Dan Molnar PMP – Shire

Dan Molnar has over 25 years in capital project and program management in pharmaceutical industry. He has experience in all phases of pharmaceutical capital management from concept development through licensure. He has also developed and maintain global portfolio management systems. In many of his roles, he has deployed innovative and effective tools to facilitate communication throughout the organization. Dan is also the project services leader for a \$1 billion+ biopharma project.

Tim Mather PMP – PMA Technologies

Tim Mather is a collaborative, innovative, business-minded executive with a talent for aligning information technology with the goals and objectives of a business. He orchestrated the launch of PMA Technologies and NetPoint®. Tim has extensive experience in program and project management, P&L, executive leadership, analysis, business processes, business development, software development, and implementation.

and State University. Dr. Kamat's research has been published in 60 peer-reviewed journal publications, and he has published 70 conference papers to date. Dr. Kamat has served as the chair of the ASCE Construction Institute's Construction Research Council and is a member of the Board of Governors of the ASCE Construction Institute.

Naga Veena Tarlana – DPR Construction

Veena Tarlana completed her MS in construction engineering and management from the University of Michigan. She had a unique opportunity to work use GPM and NetPoint through the Industry-oriented course CEE 530 – Construction Professional Practice as part of her graduate education under the guidance of PMA mentors.

Vishal Shah – Skanska USA Building

Vishal Shah completed his MS in construction engineering and management from the University of Michigan. He is currently working at Skanska USA Building Inc., in the Tampa Bay area of Florida.

Renee Woolley – PMA Technologies

Renee Woolley has 9 years' experience in NetPoint and GPM training, QA/QC, and hands-on support. She has worked on NetPoint planning projects across industries from oil and gas to biofuels research. Renee provides training, technical support, and license management dedicated to PMA users and their clients as a NetPoint software solutions director.

The Miracle on Second Ave

Less Is More for the Second Avenue Subway

Friday | 2:55pm - 3:40pm

Phase 1 of this new \$4.5 billion subway line on the east side of Manhattan between 96th and 63rd Streets consists of four new stations and two miles of tunnel. It successfully achieved revenue service by the December 31, 2016, deadline in the grant agreement issued by the FTA.

This presentation explains how NetPoint was used to help make critical decisions related to accelerating the project when the governor of New York mandated an on-time completion, despite earlier delays. Recognizing that traditional scheduling tools provided too much detail, which obscured the critical interface points between multiple contracts, the program abandoned P6 in favor of NetPoint. NetPoint's graphical interface allowed the project executives to rapidly identify potential delays and address them in real time. This project is a shining example of how miracles can still happen if proactive managers are supported by easy-to-understand project controls data.

Bruce Stephan JD, PE, PMP – PMA Consultants

Bruce Stephan is a nationally recognized civil engineer and attorney with 30+ years of experience on engineering/construction projects. His distinguished career includes representing public owners and general contractors, as well as providing professional construction consulting worldwide. His experience includes numerous project delivery methods; dispute resolution; complex change order negotiation; claims analysis; schedule management; technology solutions; and management consulting on large, complex public CIPs.