



**Course Location:
AGC San Diego Training Center**

6212 Ferris Square
San Diego, CA 92121
858-558-7444 | 858-731-8155 (Education Department)
www.agcsd.org

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Last Planner® 1-Day Training

CREATE the “aha moment”. Start with a half-day Villego® simulation: a fastpaced, high-energy competition among small groups with 2 Rounds. First, build an 8- layer Lego® building using traditional planning methods. Then build it again using pull planning. Teams compete for Best Time, Best Quality, Highest Profit & Safest project. Results: dramatic.



SOLIDIFY the inspiration and enthusiasm created with Villego® in the morning with an afternoon half-day, hands-on “Build This Room” learning session in small groups in front of a planning wall. Participants will learn the basics of the Last Planner® System by actually handling the tags and boards of Last Planner® Pull Planning including Milestone Schedule, Phase Pull Plan and Weekly Work Plan. Participants will receive personal coaching, be allowed to make mistakes and learn from them in a non-judgmental atmosphere, understand the nuances and elements of the system by asking questions, receiving explanations when their minds are open.



Date: March 13, 2018

Time: 7:30 am - 4:30 PM

Course Tuition: AGC Members \$375 | AGC JUP \$0 with eligible funds | Non Members \$475

Registration: Online Registration Must be completed WWW.AGCSD.ORG

Instructor: David Umstot



David Umstot is the President and co-founder of Umstot Project and Facilities Solutions, LLC and a principal of The ReAlignment Group of California, LLC. He is a California-registered Professional Civil Engineer with more than 30 years of leadership experience in private sector and public agency construction program management and facilities management. He has delivered more than \$2 Billion in construction of higher education, K-12, healthcare and other industrial facilities and been responsible for facilities management of a total of more than 17 million square feet of educational facilities. David is recognized as a leader in California and nationally for his program management, alternative project delivery, sustainability, facilities

management and Lean enterprise practices. He has coached project teams delivering billions of dollars in projects since 2013.

He is a former instructor at the University of California San Diego Extension Facilities Management Certificate program and a current adjunct lecturer at San Diego State University in the Department of Civil, Environmental and Construction Engineering graduate construction engineering and management program. He also participates on advisory boards for the San Diego State University College of Extended Studies Lean enterprise certificate program and the NewSchool of Architecture + Design Construction Management program.

David currently serves on several boards of directors including the Design-Build Institute of America Western Pacific Region, Lean Construction Institute San Diego Community of Practice, and Center for Sustainable Energy.

Cancellations and/or Changes Policy: Cancellation notification must be received in writing no later than three business days prior to the scheduled course date. Substitute registrants can be named at any time. A full refund - minus a 5% processing fee if paid by credit card - will be given if notification is received by AGC San Diego three business days prior to the course start date. If a cancellation is received within the three business day time frame, or if registrant(s) elects not to attend, attendee will forfeit the entire course fee. Those participants using AGC Journeyman Trust funds must adhere to the cancellation policy. If a late cancellation or NO SHOW occurs the participating COMPANY and not the AGC Apprenticeship Trust is liable for the tuition.

Payment: Payment can be made online by credit card or PayPal. Master Card, Visa, Discover and American Express are accepted. Checks to be made payable to AGC San Diego. Invoice option is only available for AGC San Diego Chapter members. Full course payment must accompany each registration for all attendees at least seven days prior to the course start date. Contact Inna Alizade in Accounting for payment confirmations, refunds or receipts. inna@agcsd.org

"I learned more in this class (using Last Planner® and Villego® simulation) than in any other class in my whole time in university!" – international graduate student, San Diego State University, 2015

What is [Villego®](#)?

Villego® is a Last Planner® simulation that occurs over a period of about 4 hours using Lego® that illustrates the benefits of using lean thinking and the [lean behaviors promoted by the LPS®](#). It consists of two separate rounds of building structures with Lego®. The first using traditional planning methods and the second using the Last Planner® system. The financial performance of the project is calculated for each round based on schedule performance, safety and quality and used as a learning tool for the participants.



Why use Villego®?

The simulation provides a safe learning environment and a sample project to quickly learn the principles and [benefits of Last Planner®](#) and experience them using a hands on "learning by doing" approach.

"Aha!" moments by participants regularly occur and result in strong learning outcomes.

When to use Villego®?

Villego® is frequently integrated into Lean workshops to introduce Last Planner®. If Last Planner® is going to be used on a project where the team has not been exposed to pull planning and Last Planner®, Villego® is a great way to introduce the concepts in advance to team members including specialty trades prior to actually using Last Planner® on the project.

Who should be involved in the Villego® simulation?

Owners, owner representatives, design professionals, builders, specialty trade contractors, superintendents, foremen, executives, and schedulers can all benefit from the Villego® experience.

Key takeaways and learning outcomes from Villego®

Participants commonly experience **increased collaboration, communication, teamwork, and develop a better understanding of other team member's needs**. Key lean concepts of **flow, pull production system, Plan-Do-Check-Act, continuous improvement, and detailed short term planning** are learned through doing. View a short video of a [Villego® workshop at San Diego Mesa College](#) from 2013.