JUNE 1, 2016 – LEAN IN DESIGN EDUCATION SESSIONS (2 options)

8:00 – 4:00 PM - FOUNDATIONAL OVERVIEW OF LEAN IN DESIGN – Kristin Hill, InsideOut Consulting

This set of presentations will introduce Lean Project Delivery as an “operating system” based in principles and use of appropriate tools. Participants will learn that Lean is about understanding value and eliminating waste. The overview is focused on the practical implementation of Lean approaches, including examples of how teams actually implement Lean. The class will also provide a deeper dive into the use of the Last Planner® System during design phases. Ms. Hill will provide a broad overview of the concepts and tools, highlighted with practical, real-world experience of utilizing Last Planner® on project work. The afternoon will focus on LPS with hands-on learning.

LEARNING OBJECTIVES

• Understanding that Lean is an operating system comprised of principles and tools
• Understanding how the principles and tools are relevant to Design and Construction
• Understanding primary Lean tools, such as: Last Planner® System, Target Value Design, Big Room Concept, Set-Based Design, and Building Trust in project delivery and its role in improving schedule and cost.
• Deeper understanding of LPS implementation during design phases.

CONCURRENT SESSION:

8:00 – 4:00 PM – TARGET VALUE DESIGN SIMULATION WORKSHOP – Dick Bayer, The ReAlignment Group

This program focuses on simulations that show how important it is that those who do the work design the production system that will be implemented. Other Lean principles complement those lessons including opportunities for impeccable coordination: viewing Design and Construction as a production system and achieving a collective enterprise culture on projects. The program also focuses on the most interactive and perhaps least understood opportunity in Lean: Target Value Design. The workshop takes a budget ($10,000,000), a piece of land (near USC in Los Angeles), and a concept (scholar’s residences) and ends up with a building for less than the budget at the end. The various stages of the simulation
replicate real Target Value Design. While TVD is a hallmark of Integrated Project Delivery, it can be done regardless of contract model.

LEARNING OBJECTIVES:
• How to collaborate with trade and construction partners in Design
• How to design and develop Target Value Design sessions
• How to interactively coordinate real time pricing with Design
• How to fully participate in the design and delivery of projects at/below target budget

JUNE 2, 2016 – FEATURED SPEAKERS AND “LEAN ROUND TABLE” DISCUSSION SESSIONS

7:30 AM – CONTINENTAL BREAKFAST

FEATURED SPEAKERS:

8:30 – 9:30 AM – KEYNOTE SPEAKER – Boyd Black, AVP Capital Project Delivery, University of Chicago

Mr. Black will discuss the use of Lean in Design and Construction from the perspective of an owner organization with successful Lean project implementations. How do these projects differ from traditional practice, and what are the benefits of using Lean tools and techniques in increasing value and reducing waste so as to better meet the client’s conditions of satisfaction? How the University continues to promote the use of Lean in its building programs, including in the all-important design phase.

9:30 – 10:00 AM – BREAK

10:00 – 11:30 AM – AN ADVANCED PRACTITIONER’S VIEW – KANBAN FOR KNOWLEDGE WORK

Jeff Loeb, CH2M

Come see how Kanban Method is being used to coordinate and improve knowledge work in the construction industry. Based upon Kanban, the pull production system invented by Toyota, Kanban Method is especially adapted for knowledge-based work. CH2M’s practice of Kanban Method is based upon David Anderson’s pioneering work in agile product development. CH2M’s approach also embraces reliable promising (linguistic action) and production system design concepts drawn from Last Planner®. Jeff Loeb will share how they have been using Kanban Method in a variety of applications. Jeff is a project manager, innovator, and lean coach in CH2M’s Industrial and Advanced Technology group.

You will learn:
• What is Kanban
• The difference between push and pull in knowledge work
• The core practices of Kanban Method
• Common terminology of Kanban Method
• How Kanban Method can be a powerful commitment-based approach
• How to get started with Kanban Method
11:30 AM – 12:30 PM  LUNCH

12:30 – 3:45 PM  “LEARNING ROUND TABLES” (LRT)

Six sessions, from which each attendee may select three to attend at time of registration. These round table discussions will be led by an individual who has experience in the topic, but they are not intended to be formal presentations, rather the opportunity to spark in-depth dialogue and learning on the topic at hand on the part of those attending.

12:30 pm – 1:25 PM – LRT Round 1 breakouts – Select 1 discussion to attend (about 20 to 25 people max per session, one round table in various breakout areas (signage will direct you).

1. Conditions of Satisfaction – Tim Tracey, Smith Group JJR
2. Technology/BIM – Matt Petermann, Perkins+Will
3. Developments in 3P Design – Stacey Root, Boulder Associates

1:45 pm – 2:40 PM – LRT Round 2 breakouts – Select 1 discussion to attend (about 20-25 people max per session, one round table in various breakout areas (signage will direct you).

2. Technology/BIM – Matt Petermann, Perkins+Will
3. Developments in 3P Design – Stacey Root, Boulder Associates
4. Innovative methods to manage risk/contingency on an IPD project – Mike Castor, BSA LifeStructures

2:50 – 3:45 PM – LRT Round 3 breakouts – Select 1 discussion to attend (about 20-25 people max per session, one round table in various breakout areas (signage will direct you).

1. Building a Lean culture on a project – Andrea Sponsel, HKS & Andy Davis, Turner Constr.
2. Innovative methods to manage risk/contingency on an IPD project – Mike Castor, BSA LifeStructures
4. Conditions of Satisfaction – Tim Tracey, Smith Group JJR

3:45 – 4:00 pm  Closing Thoughts / Plus/Delta / Adjourn
2016 Speaker Bios

**Kristin Hill** brings over eight years of Lean consulting expertise to the design and construction industry. Prior to being a Lean Consultant, Ms. Hill founded, grew and subsequently sold an architectural firm in the Boston Area. As President of InsideOut Consulting, Inc., Ms. Hill currently provides coaching to teams for projects being delivered using lean principles and tools.

**Dick Bayer** is the former Executive Director of LCI, and current President of The ReAlignment Group. He has been deeply engaged in construction project collaboration and alignment partnering since 2003, and part of the Lean community since 2008. He was one of the chief facilitators for the largest IPD project ever—the $7B California Health Care Receivership Program. Since 2010, his firm has participated on over 100 Lean or IPD programs with over 200 teams across the country and abroad.

**Boyd Black** is AVP Capital Project Delivery with The University of Chicago. Under Boyd’s direction the Capital Project Delivery group manages design and construction for the University. He joined the University in 2008 after managing design and construction for eight years at the University of Illinois. Prior to joining the ranks of project Owners Boyd worked on both the architecture and construction sides of the industry. He has over 35 years of experience with a bachelor’s degree in architecture from Iowa State University and Master of Management from Northwestern University. He is currently a member of the US Green Building Council, the AGC Industry Advisory Council and is a current board member and Past President of the Board of the Construction Owners Association of America.

**Jeff Loeb** has over 20 years of experience in the design, construction, and leadership of complex process-industry capital projects. He serves as a project manager and works as a project coach and internal consultant in CH2M HILL’s Lean Promotion Office. He trains and coaches project teams and leaders in Lean delivery approaches including pull techniques, collaborative design, Choosing By Advantages, PDCA-based problem solving, managing for daily improvement, and reliable promising. Jeff is committed to working with people who are intent on transforming the way projects are designed, planned, and coordinated so they turn out better and are a better experience.

**Mike Castor** is Senior Engineering Director for BSA LifeStructures. Mike has more than 20 years of engineering experience. He has provided design services for projects that span markets including: healthcare, pharmaceutical, textiles, automotive, commercial printing, glassware and breweries. His ability to manage the diversification of market expertise, engineering services, and project delivery methods has offered solutions that consistently respond to the ever-changing definition of high-performance facilities. Mike also has a deep understanding of excellent strategy, Lean and efficiency. This appreciation has led him to become a sought-after expert and consultant on commissioning, complex projects and Integrated Project Delivery (IPD).

**Tim Tracey** - As Director of the Chicago Office, Tim leads the multi-disciplinary office with a focus on design quality achieved through a holistic and integrated design process, building relationships with clients and partners within the community, and furthering SmithGroupJJR’s reputation as an award-winning firm. Tim leads his clients and design team through an intensely collaborative design process. By understanding his clients’ core values and aspiring to expand their vision, Tim’s design solutions are programmatically responsive in a manner that celebrates their values within the built environment. Throughout his near 20-year career, Tim’s passion to work in partnership with others has been vital to his success. He believes in the power of interdisciplinary and holistic design where decisions are made to optimize the project rather than any one stakeholder. When Tim’s not solving complex design problems, you can find him spending time with his family, strumming a classic rock riff, or watching a rerun of the Pittsburgh Steelers Super Bowl victory.
Matt Petermann has been with Perkins+Will for almost nine years. Gaining an architecture degree from the University of Minnesota he worked a couple years of construction in the field during a downturn in the economy. Once joining Perkins+Will he began for a few years working on projects in all different market sectors. After working on all phases and seeing all the different processes needed from all team members he transitioned over to a role within the digital practice group at the firm. He now focuses on strategy, tools, process, contracts, lean practice, planning, management and other subjects. He is based out of the Chicago office but assists the entire firm on multiple fronts, continuing to push the boundaries of the practice through technology and its application to an evolving process.

Stacey Root received her Master of Architecture from the University of Texas. She joined Boulder Associates in 2008 and worked on a Sutter Health IPD team. After this introduction to true collaboration and Lean thinking, Stacey became a designated in-house Lean evangelist. Informed by her background playing soccer, she knows the value of bringing different skillsets together working toward a common goal – and this translates to architectural design. She loves collaborating directly with end users, and since 2010 Stacey has facilitated over a dozen week-long 3P Events. She also has a strong interest in patient-centered medical homes. Every summer, Stacey rides her bicycle across the state of Iowa. Whenever she’s back in Texas, she eats as many cheese enchiladas as humanly possible.

Andrea Sponsel is a Vice President and Lean Champion at HKS. She began her lean journey six years ago, and was immediately immersed in the philosophy of continuous improvement, standardization of work and eliminating waste to create value. The process was something she quickly and easily identified with. Since then, her passion has been bringing the lean knowledge learned to others in HKS to utilize on all projects and promote a more efficient delivery of design.

Ryan Seckinger is a Principal and structural engineer in Walter P Moore’s Washington DC Office and serves as chair of the company’s Technology Steering Committee. Ryan is a strong advocate of lean in the project delivery process and is actively involved in leveraging technology to improve the way we work and the way we work together.

Andy Davis is a Project Executive with Turner Construction and has more than 18 years building Healthcare projects in the southeast. Andy also is currently or has completed 8 IPD projects over the last 8 years which led to his passion for Lean Construction. Andy’s attention to project environment, eliminating waste and continues improvement made him a key choice to lead Turner’s Leaning Forward group for the Southeast Region which is focused on educating staff and projects on the benefits of Lean Construction. In 2005, he worked on the 286-bed replacement hospital for Middle Tennessee Medical Center, which was the first Integrated Project Delivery (IPD) project to start in the Southeast region. He was responsible for bringing Last Planner® System to the project including many other Lean principles.