



Integrated Product and Production Development

Ever had new products that become fiascos in production?



Your instructor:

Justin Paur is the Vice President of Production Services at NACS, a production equipment and contract manufacturing supplier. He has worked on both the product and production development sides and is a specialist in the medical device industry.

"The Lego simulation was a great tool for demonstrating the Integrated Product and Production Development principles, as design options were unlimited. The instructor did a fantastic job!"

Jeff Shaw, Process Development Engineer, Vascular Solutions

The choices you make in design determine your fate in manufacturing. Integrated Product and Production Development (IPPD) goes well beyond simple design for manufacturing into the realm of concurrent engineering. IPPD techniques align everything from design intent through saleable production to ensure that processes are scalable, repeatable, in-control and all decisions maximize the benefit to your company.

Topics to be discussed include:

- ◆ Sources of disharmony between product development and manufacturing
- ◆ Common production issue simulation
- ◆ IPPD Tools and Techniques
- ◆ Integrated production simulation
- ◆ Implementing IPPD in medical, aerospace or other regulated environments

Who Should Attend: Managers and engineers involved with product or production development including: engineering, design, manufacturing and program management.

Wednesday, September 4, 2019 8:00 a.m. – 4:00 p.m.

Fee: **MA members:** \$329 per person **Non-MA members:** \$449 per person
Receive a 10% discount if you register 14 days prior to the event.

Location: **Manufacturers Alliance Training Center**
8421 Wayzata Blvd, Suite 190
Golden Valley, MN 55426
(For directions and map go to www.mfrall.com)

Register: Registration is required. Reserve on-line at www.mfrall.com, click on Workshops by 3:00 pm on September 2, 2019. **Your satisfaction is guaranteed.**

Cancellation Policy: **No refunds** for cancellations after 3:00 pm September 2, 2019, or for no-shows at workshop. *(Substitutions accepted)*