



## Maximizing Throughput with TOC

**Do you know the process laws that constrain  
your information and product flow?**

*About the instructor:*

Jan R Frederick is a real world experienced manufacturing executive and a certified Master Manager in TOC. More importantly, he is a long time practitioner of lean principals, especially TOC (or synchronized processing or just plain common sense). He has had success with this approach in various industries and in a wide range of operational environments.

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There are many tools used under the “lean manufacturing” banner. How do they actually increase your bottom line? We work in a world that expects the utmost speed in processing orders. You need the speed and reliability in all of your processes while taming the 3 process laws that many methods ignore or try to violate. This workshop will provide you with the information that is necessary to start gaining velocity in your shop *and* in the office. Typical improvements are lead times cut in half or better, on-time performance in the upper 90%’s, and real productivity up 20% to 30%.

### Simulation

Attendees will participate in an interactive dice-game, which simulates an “ideal state” that doesn’t work. Then they will learn a better way just by staying within “the laws”. The class will learn to get control of their operation through real-world examples and, finally, they will be asked to set up their own process using what they have learned.

### Key learning points:

- Bottlenecks versus constraints
- 5-Step improvement process
- Simple scheduling
- Three types of buffers
- Control points/protective capacity
- Meaningful measures

Thursday February 23, 2012 8:00 a.m. - Noon

**Fee:** Members \$219 per person Non-members \$319 per person  
**Receive a 10% discount if you register 10 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](http://www.mfrall.com))

**Reservations:** For instant confirmation, reserve on-line at [www.mfrall.com](http://www.mfrall.com), click on **Training & Education** then **Workshops** by February 21, 2012.  
**Your satisfaction is guaranteed.**

**Cancellation Policy:** **No refunds** for cancellations after 5:00 p.m. February 21, 2012, or for no-shows at workshop. (*Substitutions accepted*)

**Pre-registration required!**