

IoPP - New England is proud to present two worthy students with **\$1,000 scholarships!** Join us for the ceremony followed by a talk by Tim Saarinen.

Free cookies and water provided by IoPP – New England at the end of the Safety Lecture!

Application of Lean Six Sigma Principles in the Manufacturing of Packaging Products

Lean Six Sigma is a well-known methodology to drive continuous improvement in a business environment. Tim will review the three core pillars:

1. It is a set of principles (philosophy of manufacturing) which takes as its most basic premise that all processes can be continuously improved through the application of systematic quantitative tools to provide better product quality, improved efficiency, and reduced waste.
2. It is a framework of project management tools. The most common are the DMAIC (Define, Measure, Analyze, Improve, and Control) stage gate project management process, the use of Kaizen (Rapid Improvement) project tools and teams, and implementation of systematic infrastructure processes such as 5S (or 6S) which provides safe, efficient, clean, and pleasant work environments along with standard work which provides a systematic methodology for integrated management and team member participation in the manufacturing process.
3. It is an extensive tool kit of techniques and capabilities to quantitatively solve challenging technical hurdles in production.

Tim will also provide three examples to provide some insight into the science of packaging and how to apply the lean six sigma principles.



Tim Saarinen received his Bachelor's degree in Chemistry from Florida Atlantic University and his Ph.D. in Physical Chemistry from the University of North Carolina- Chapel Hill. After a Post-Doctoral fellowship at Cornell, Tim worked for Varian, an analytical instrument company, and Isotec, a specialty chemicals company, prior to entering the packaging industry with Al Group Wheaton. He is a 20+ year veteran in the packaging industry having filled diverse roles ranging from Director of North American Sales to General Manager of Medical Packaging at Mundelein, Illinois with Amcor. Tim received his Lean Six Sigma Black Belt 18 years ago and has been applying lean manufacturing principles in packaging applications throughout his career. Tim has participated as team member, project manager, site champion, and business leader in hundreds of lean six sigma projects. Today, Tim holds the position of Chief Operating Officer at Maruho Hatsujyo Innovations (MHI) Medical Packaging Machinery business, a subsidiary of Maruho, Ltd., an \$800 million Japanese healthcare company.



2018 scholarship recipients Matthew McCaughey (left, with Matthew Bernasconi and Jason Gardner) and Matthew Mariano (right, with Jason Gardner).

AGENDA

TUESDAY, OCTOBER 29, 2019

5:00PM – SAFETY LECTURE

5:05PM – IoPP – NEW ENGLAND AWARDS CEREMONY

5:20PM – TIM SAARINEN

LOCATION

UMASS LOWELL CAMPUS

185 RIVERSIDE STREET

LOWELL, MA 01854

BALL BUILDING, ROOM 214. PARKING IN RIVERSIDE LOT

IoPP - New England would like to extend a special invitation to our chapter sponsors who have made this year's scholarships possible! A special thank you to Sencorp White and MHI!