



FASTENER  
TRAINING  
INSTITUTE

# VALUE-ADDED SERVICE OR COSTLY MISTAKE?

**Key Elements for the Entire Supply Chain:**

Fastener Producers, Resellers and End Users

SEPTEMBER 21, 2021 | 9 A.M. – 4 P.M. PT | LAS VEGAS, NV INTERNATIONAL FASTENER EXPO

## INTERNATIONAL FASTENER EXPO

Users and suppliers of fasteners alike depend on different types of secondary processes to get just the right fastener for the application. These secondary processes add both cost and value to the product. Therefore, choosing the right or wrong process can be the difference between providing a value-added solution or creating a costly problem. Suppliers and end-users must work together to guarantee a good outcome when modifying fasteners, regardless of the space they occupy in the supply chain. But – adding value comes with risk.

This full-day program teaches users and suppliers how to detect and prevent the risks associated with value-added fastener services, and how to maximize the opportunity for a good result. Industry experts will share their knowledge in risk management and process control using case studies, application examples, and lessons learned from hundreds of failures and successes. Each session will start with a “what we need to know” foundation and end with a “test your knowledge Q & A.”

### TOPICS COVERED:

1. Understanding fastener plating and coating processes and standards
2. Material removal and other modifications to fasteners
3. Locking elements and thread adhesives and other vibration-resistance strategies
4. The absolute minimum you must know about hydrogen embrittlement
5. State-of-the-art solution-oriented coating and finishing technologies
6. The importance of QMS integration into your value-added services – how to do it properly

### ATTEND IF YOU ARE INVOLVED IN:

Fastener Sales and Purchasing, Fastener Quality, Specifying Fasteners and Finishes, Fastener Engineering and Manufacturing, Fastener Problem Solving, and Plating and Coating Applications

### INSTRUCTORS:

Carmen Vertullo & Rob LaPointe, AIM Testing Lab

### Value-added Service or Costly Mistake?

**Date:** September 21, 9 a.m. - 4 p.m. PT  
**Location:** Mandalay Bay Convention Center, Bayside B, Las Vegas, NV  
**Cost:** **\$349** (Early bird before 9/15); **\$449**  
**Included:** Course materials, handouts and a certificate of completion.

### Come Visit Us at Booth #3527

**FTI Trade Show Floor Sessions**  
(included with conference registration)

#### Vibration Resistant Fastening Systems September 22, 9:30 - 10 a.m. PT

Fastener failures can compromise even the best design. A bolted joint can become compromised with unintentional loosening. Learn about fasteners and their features to resist vibration and stay tight within their joints.

#### Understanding Fastener Strength and Hardness September 23, 9:30 - 10 a.m. PT

When it comes to selecting and understanding fastener materials, one of the primary considerations is strength. And strength is directly related to hardness. We will explore the relationship between strength and hardness in fastener materials.

**Program sponsor:**

**REGISTER AT**  
**[fastenertraining.org](https://fastenertraining.org)**



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