

Got Fastener Training?

Got New Fastener Training?

The **Fastener Training Institute® (FTI)** has reviewed current class offerings with fastener industry stakeholders and asked, "what are your needs?" As a result, we are pleased to announce the introduction of two new fastener training classes for 2013: *Aerospace Fastener Technology* and *Metric Fasteners for Professionals*. Both initially will be offered in Los Angeles, CA, USA, with other locations planned.

• *Aerospace Fastener Technology*, co-produced with the **Industrial Fasteners Institute (IFI)**, Independence, OH, USA, is offered as both a two-day and a three-day class, August 27 to 29, 2013. This technical course was created to provide a better understanding of aerospace fasteners for distributors, fastener manufacturers and specifying and consuming OEMs, and will include classroom instruction along with tours of fastener manufacturing plants. These will be guided tours presented by the folks that actually make the parts. You'll see cold heading, hot heading, thread rolling, heat treating, plating and an inspection laboratory.

The first day of the program will be classroom instruction covering aerospace fastener fundamentals. Day two will consist of the plant tours and day three again will be in the classroom covering advanced topics. Participants can choose to attend two days (one classroom day and the tour day) or all three days. Topics include:

- Aerospace fastener standards
- Terminology
- Thread specifications and inspection
- Government contracting
- Metallurgy
- Commercial vs. military aerospace
- Corrosion and fastener coatings
- Fastener failures
- Quality management
- Tightening methods

This training is designed for technical personnel and support staff looking to consolidate fundamental knowledge and to acquire advanced technical information about aerospace fasteners. Technicians, quality assurance, engineers, purchasing professionals and technical sales staff will benefit from this training.

Instructors are **Salim Brahimi (IBECA Technologies)** and **Carmen Vertullo CFS (CarVer Consulting)**.

• *Metric Fasteners for Professionals* was developed to fill the knowledge gap between metric and inch fasteners. Offered on November 5, 2013, this one-day advanced course will provide valuable and usable information to participants who must service a worldwide market, most of which is metric. Topics include:

by:

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**FASTENER
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- What makes metric fasteners different
- Metric fastener math
- Things that you must know to speak metric without an accent
- How to help end users specify metric fasteners
- Metric fastener standards, ISO the way forward
- Material standards, dimensional standards
- Metric tolerances, blueprints and inspection
- Metric for assembly, who uses what and why

The instructor for this course is **Carmen Vertullo, CFS**.

Salim Brahimi is President of IBECA Technologies and a licensed member of the **Quebec Order of Professional Engineers**. He has more than 24 years of experience in the fastener industry (Metallurgist, Process Engineer and Director of Quality and Engineering). He is the current chair of **ASTM Committee F16** (fasteners) and member of the **SAE Fastener Committee**. Brahimi was the recipient of the Fred F. Weingruber award by ASTM Committee F16 for outstanding contributions to the development of fastener standards, especially in the area of hydrogen embrittlement.



Salim Brahimi

Carmen Vertullo, CFS, is the founder of CarVer Consulting, a San Diego, CA, USA-based consulting, engineering and training company specializing in fasteners and bolted joints. He has experience in fastener quality assurance, manufacturing, sales and inventory management programs, and has developed and teaches a series of advanced fastener training courses for the Fastener Training Institute. Vertullo holds a BS in Manufacturing Engineering Technology from **National University**, San Diego, CA, USA.



Carmen Vertullo

Please contact the Fastener Training Institute via email at info@FastenerTraining.org to be placed on a mailing list for any fastener training courses. Also check the website below for the complete 2013 calendar.

The Fastener Training Institute's core purpose is to enhance fastener use, safety and reliability.

www.FastenerTraining.org

FTI

John Wachman is Director of the **Fastener Training Institute** and the head of **Desert Distribution Sales LLC**, a manufacturer's representative company located in Scottsdale, AZ, USA. To receive additional information visit: www.FastenerTraining.org.