



**FASTENER
TRAINING
INSTITUTE**

The Making of Fasteners & the Cost Drivers Behind this Engineering Marvel

Lightweight Fastening Trends & Designs for Future Platforms

MAY 21 & 22 | CLEVELAND, OHIO



The Making of Fasteners & the Cost Drivers Behind this Engineering Marvel

Explore why these sometimes under-appreciated components are complex engineering marvels. Students will gain a basic understanding of fastener production methods and learn how each process, as well as raw material and customer expectations, drive what may appear to be a routine run-of-the-mill fastener into a value-added powerhouse of a component.

TOPICS INCLUDE:

- Fastener production methods: cold heading, hot heading and screw machining
- Advantages and disadvantages of each manufacturing method
- Thread rolling, grinding, machining, heat treatment and plating

Lightweight Fastening Trends & Designs for Future Platforms

Discover lightweight fastening trends, including how to best use technology to obtain leaner designs. Students will learn about new developments in automotive body design and specifically how emerging fastener technology is enabling the use of high and ultra-high-strength steels and carbon fiber.

TOPICS INCLUDE:

- How to directly lightweight fasteners
- Using technology to obtain leaner designs
- Using Zinc-Nickel as a cadmium replacement
- How EVs and by-wire technologies are going to change automotive fasteners

LEARN MORE AND REGISTER
www.fastenertraining.org

INSTRUCTOR: Laurence Claus, IFI Director of Education & Training

The Making of Fasteners & the Cost Drivers Behind this Engineering Marvel

DATE: Tuesday, May 21, 9 a.m. to 4 p.m.

Lightweight Fastening Trends & Designs for Future Platforms

DATE: Wednesday, May 22, 9 a.m. to 11 a.m.

COST TO ATTEND

The Conference All-Access badge is **\$500** with code **FTICONF** (a **\$600** value). It includes both classes with boxed lunches, exhibit hall access, admission to the opening night networking party at the Rock & Roll Hall of Fame and shuttle service to the networking party and factory tour at Brighton-Best International on May 23. Class only attendance is **\$499**.

Visit FTI at Fastener Fair USA

Stop by the FTI booth and learn about in-person, online, on-demand and on-site training offerings.

