

NFDA TODAY: Your National Fastener News

May 2019



President's Message

By Kelly Cole

We've just concluded our joint conference with MWFA and Pac-West in beautiful San Diego. It was a spectacular event. Attendance was one of the highest on record. Thank you for your support. It was a blast sharing my family moment there. Introducing them was a highlight for me. I want to thank everyone in attendance for recognizing and sharing your thoughts with us. Thank you.

Another big highlight of our time in San Diego was honoring our 2018 Fastener Professional of the Year, Jim Ruetz. I offer my best wishes for the new phase in Jim's life. He will remain busy working on a doctorate degree and consulting. We look forward to seeing him and his family at more events for many years. Good luck Jim.

We have a change in leadership on the NFDA Board of Directors. The parent company of Trinity Supply Logistics has asked Dan Zehnder to take on a bigger role, that will require his relocation to Spain for part of the year. Poor guy! Realizing this would not be fair to NFDA, Dan reluctantly resigned and the Board approved moving Doug Ruggles of Martin Supply to take on vice president responsibilities. As is NFDA's tradition, Doug will assume the role of NFDA president when my term ends in June.

We've also had a change in the associate chair position on the Board. Bruce Hayes at Sems and Specials asked to step down, and I'm pleased to announce that Kelly Charles (also at Sems and Specials) is filling in.

This has been a very quick year for me. Business remains strong and the political climate is always creating challenges, but all in all, NFDA is poised for gains in many areas. Membership retention is off the charts, attendance is up at meetings, and membership value is ever present. It shows by the positive feedback and networking opportunities members continue to take advantage of.

Looking ahead to the summer months, it is time to get the calendars out and get planning. The annual meeting will be June 10-11 in Cincinnati. Although the Reds are not in town those days, we will find some time to have some fun (perhaps at the Over the Rhine breweries) as well as get our annual economic injections from ITR and Alan Beaulieu. I am really looking forward to seeing how the 2019 and 2020 forecasts shape up.

Well, I'm off on vacation. Email just got disconnected. I'm out. See you in Cincinnati!

Best regards,

Kelly Cole



Associate Chair's Message

By Kelly Charles

I would like to thank Kelly Cole and the rest of the board for welcoming me as the associate chair. I have big shoes to fill (literally and figuratively, Bruce Hayes!) I am looking forward to serving on the board and advancing the goals of NFDA.

We are coming off a great joint meeting with Pac-West and MWFA. The programming was relevant and engaging, and the conference allowed for many networking opportunities. I especially enjoyed the roundtable session. Plus, as a Midwesterner, it was hard to argue with the beautiful San Diego weather!

Mark your calendars for the June annual meeting, sponsored by the North Coast Fastener Association, June 10-11 in Cincinnati, Ohio. I look forward to seeing you there!

Kelly

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NFDA Calendar

- Fastener Fair USA**
May 22-23, 2019
Cobo Center, Detroit, Michigan
- Fastener Tech '19**
June 3-5, 2019
Donald E. Stephens Convention Center, Rosemont, Illinois
- Annual Meeting**
June 10-11, 2019
Hilton Cincinnati Netherland Plaza
Cincinnati, Ohio
- International Fastener Expo**
September 17-19, 2019
Mandalay Bay Convention Center
Las Vegas, Nevada
- Executive Summit**
November 3-5, 2019
Ritz-Carlton Beach Resort
Naples, Florida
- Joint Conference & Tabletop Show**
March 4-6, 2020
Westin Long Beach
Long Beach, California
Tabletop Show and joint meeting with the Pacific-West Fastener Assoc.

Join us in Cincinnati!

The NFDA 2019 Annual Meeting will take place at the Hilton Cincinnati Netherland Plaza, June 10-11, 2019.

In addition to roundtable discussions, this meeting will feature some great educational sessions. Brian Friedle of MITS will share how distributors can boost profitability by utilizing their data and how to choose a platform with the most benefits. Heather Stewart of Wurth Industry North America will discuss supply chain transparency. She'll note the implications of transparency and how to be prepared. Matt Johnson of Spinstak Growth Agency will present the session "Industrial Marketing 101" where you'll learn how to start thinking more like marketers and less like order-takers.

And as usual for the annual meetings, we'll have an economic update from Alan Beaulieu of ITR Economics. Alan will provide insight into where the global economy is heading and how it will impact your business.

Join us! For more details and to register online, check the website, nfda-fastener.org



Member Benefit Spotlight

Fastener Training Institute Education

As a special benefit for NFDA members, the Fastener Training Institute® (FTI) offers discounts on all their classroom courses and the Online Learning Library. FTI programs range from basic information for new employees to advanced technical subjects taught by industry experts.

The newly launched Online Learning Library allows your staff to train at their own pace. There are more than 30 training videos available covering topics to fit every employee's needs. And annual subscriptions are available at a substantial discount for NFDA members.

Find the schedule of upcoming classes and more information about training on their website at fastenertraining.org. Another benefit of NFDA membership!



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Training Opportunities

The Fastener Training Institute® has the following upcoming opportunities to increase your fastener knowledge:

- May 14 - Fastener Manufacturing Plant Tours – Los Angeles Area
- May 17 – Webinar: My Major Customer Has A Quality Concern – Online
- May 21 - Fastening 101: Understanding Threaded Fasteners with Emphasis on the Automotive Market - Detroit, MI (at Fastener Fair)
- June 3 - Why Fasteners Fail - Chicago, IL (FastenerTech '19)
- June 11 - Fastener Secondary Process Plant Tours – Los Angeles Area
- June 19-21 - Understanding Hydrogen Embrittlement in Fasteners - Wixom, MI
- June 21 – Webinar: Aerospace Fasteners - An Overview and How They Differ from the Industrial Fastener – Online
- July 16 - Dimensional and Material Specifications - Costa Mesa, CA
- July 19 – Webinar: Distributor Quality Assurance - Intro to ISO and AS for Fastener Suppliers – Online

NFDA members receive discounted registration on all FTI classroom seminars.

For more information and a list of all FTI events visit fastenertraining.org

Save the Date!



Mark your calendars now for NFDA's 2019 Executive Summit.

Located at the Ritz-Carlton Beach Resort in beautiful Naples, Florida, this will be an event you won't want to miss!

Complete details about this November 3-5 event will be on the website in June.

See you there!



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562-799-5519
www.nfda-fastener.org

Vickie Lester

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Jeannine Christensen

Meetings/Events Director
jchristensen@nfda-fastener.org

NFDA Fastener Standards Activity Update - Q1 2019

By John Medcalf

While there haven't been any meetings since the last update, there have been some significant developments in the field of hydrogen embrittlement. The first is the publication of ISO/TR 20491: *Fasteners - Fundamentals of Hydrogen Embrittlement in Steel Fasteners*. I have commented on the development of this document over the last few years and believe it is a significant document for the fastener industry. Starting life as a white paper published by Salim Brahim (Technical Director of IFI), the document went through painstaking review by the international community of fastener experts. As an ISO technical report, it reflects the most current global fastener industry know-how regarding the phenomenon – including material susceptibility, hydrogen damage mechanisms, baking, testing, and other topics. For anyone seeking knowledge, or to educate a customer or supplier, I recommend reviewing the document. It can be purchased from the IFI web store at: www.indfast.org/shop/display_products.asp?cat=2

The second major development is the approval and publishing of the revision to ASTM B633 on electroplating (ASTM B633-19). Since the 2007 revision, the standard had required baking of parts with a strength above 1,000 MPa (or hardness above 31 HRC). This would include fasteners such as SAE J429 Grade 5, or ISO 898-1 property class 8.8, which have no susceptibility to hydrogen embrittlement. In addition, the standard was in direct conflict with ASTM F1941/F1941M, which does not mandate baking until hardness exceeds HRC 39. The situation has caused confusion, at best, and lawsuits related to flawed failure analyses at worst. With the 2019 revision, ASTM B633 contains baking requirements that are once again in line with ASTM F1941/F1941M.

Upcoming meetings include ISO ad-hoc meetings in France in early April to discuss the ISO 16047 torque-tension testing standard and ISO 898-1 and 898-2 mechanical properties standards. The ASTM and ASME fastener committees will be meeting in Denver, Colorado, May 13–15, 2019.

John Medcalf is Engineering and Business Lead for Peak Innovations Engineering and is NFDA's technical representative.

Communication between NFDA members and the NFDA technical standard representative (the "Representative") through email or otherwise is provided by NFDA as a courtesy to its members. NFDA provides no assurance as to the accuracy, completeness, or timeliness of any statement made by the Representative to the member or fastener technical standards organizations. Neither NFDA nor the Representative makes any representation as to whether any statement of the Representative is consistent or compliant with fastener technical standards. Neither NFDA nor the Representative shall be responsible for any loss or damage suffered by the member or any other person as the direct or indirect result of any statement made by the Representative.

John Medcalf was appointed as the NFDA technical standards representative to allow the NFDA membership not just visibility of standards activities, but also a voice in the process.

NFDA members are encouraged to express their comments or concerns relating to fastener standards. The only way to influence the process is to stay engaged and participate.

Members can:

- Inquire about changes in drafts noted in the quarterly reports
- Raise suggested revisions or technical updates to standards
- Ask general standards related questions
- Offer feedback to continue refinement of these articles

Please email your standards related comments, concerns or questions to John at standards@nfda-fastener.org

Visit us at Fastener Fair USA



This year the show will be at the Cobo Center in Detroit, Michigan, May 22-23. Fastener Fair USA combines a comprehensive display of industry innovation with highly relevant education and opportunities to connect with peers and industry experts.

Complimentary registration is available for NFDA members. Use promo code FF170 and be sure to visit us at booth #732!

Scholarships for Fastener Training Week

Twice each year NFDA awards a scholarship for Fastener Training Week, an advanced technical training program produced by the Fastener Training Institute®.

Applicants are evaluated based on the recommendation from their employer, personal achievements, work experience, and an essay. Identifying information is redacted, so the team evaluating the applications do not know the names or employers of those applying.

Fastener Training Week scholarships are a benefit for NFDA members only. The next deadline to apply for a scholarship is June 1. The application can be found at nfda-fastener.org/fastener-training-week-scholarship. Apply today!

For more information about Fastener Training Week, visit fastenertraining.org

MWFA/NFDA/PAC-WEST Joint Conference in San Diego





See more photos from the conference at facebook.com/nfdafastener

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- *Hex Weld Nut DIN 929 Plain (BBI # 416)*
- *Hex Domed Acorn Nuts DIN 1587 Class 6 Zinc CR+3 (BBI # 417)*
- *Hex Nuts Class 8 DIN 934 Zinc Yellow (BBI # 522)*
- *Class 8 Hex Flange Locknut Metric Zinc CR+3 DIN 6927 (BBI # 523)*
- *DIN 127B Split Lock Washers Thru Hardened Plain (BBI # 744)*

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* Industrial Distribution Daily, April 12, 2017



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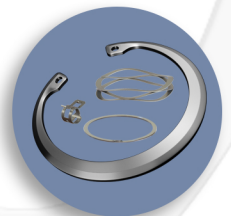
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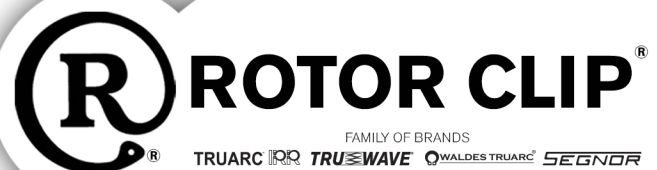
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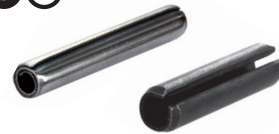
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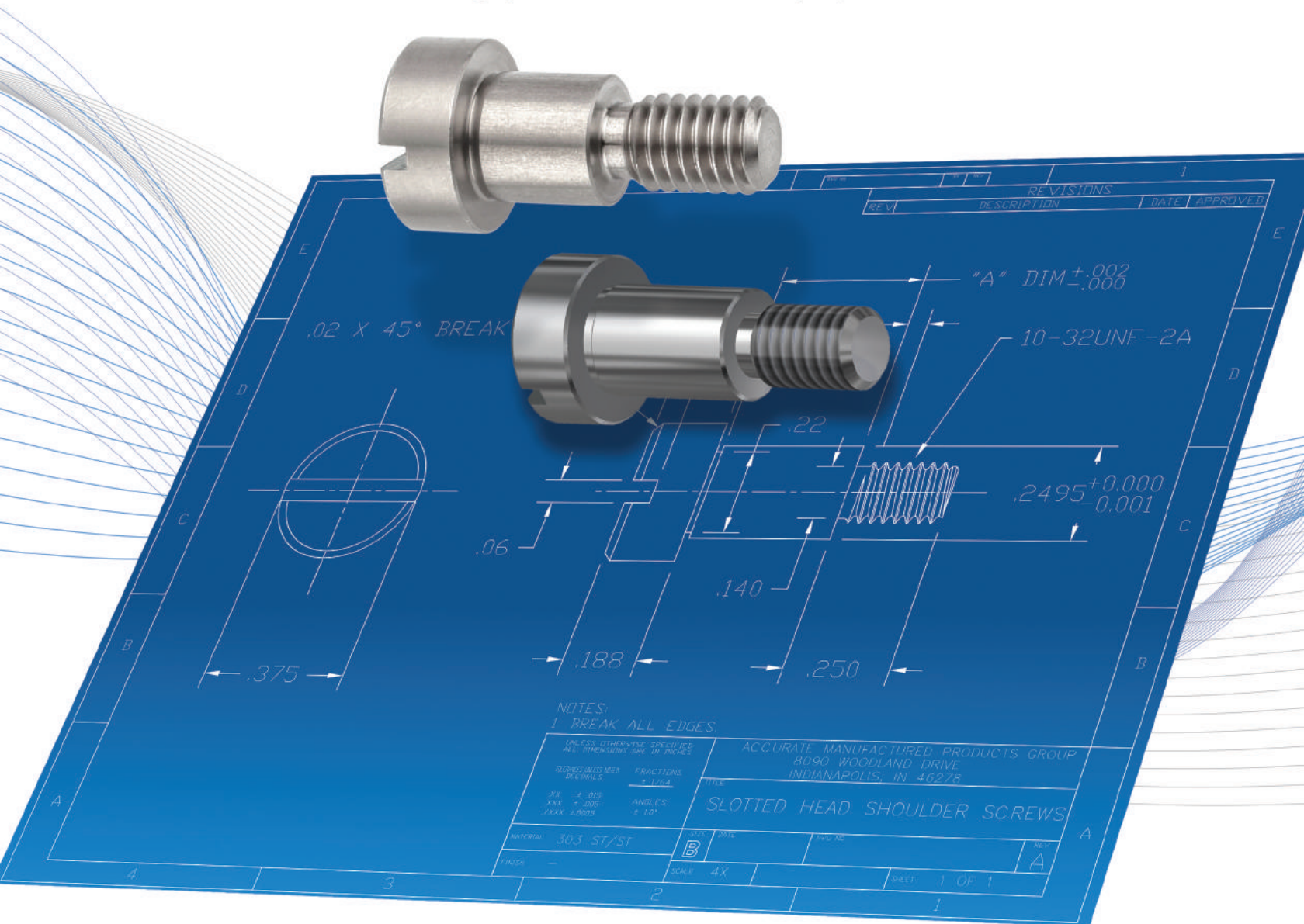


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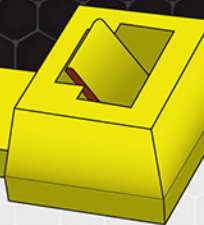
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Cut/Thread/Chamfer	Yes	Yes
Drilling (High volume & Low volume)	Yes	Yes
Broaching	Yes	Yes
Dog Point	Yes	Yes
Deep Drilling (Length of bolt)	Yes	Yes
Boring	Yes	Yes
Engineering Consultation	Yes	Yes
Facing	Yes	Yes
Grinding	Yes	Yes
Heat Treating	Yes	Yes
Keyways	Yes	No
OD Grinding	Yes	Yes
ID Grinding	Yes	Yes
Small Diameter Drilling	Yes	Yes
Stamping	Yes	Yes
Thread Rolling	Yes	Yes
Type 23	Yes	No
Welding	Yes	No

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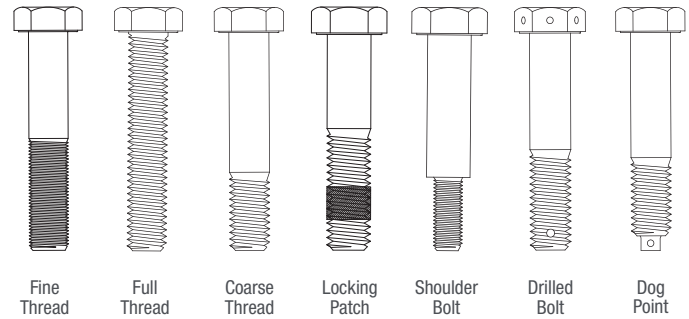


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1.00"	Hex Head Cap Screw Blank	up to 15"	8	Plain
1.25"	Hex Head Cap Screw Blank	up to 15"	8	Plain
1.50"	Hex Head Cap Screw Blank	up to 15"	8	Plain
1.75"	Hex Head Cap Screw Blank	up to 10"	8	Plain
2.00"	Hex Head Cap Screw Blank	up to 20"	8	Plain

DIAMETER	PRODUCT	LENGTH	GRADE	FINISH
M30	Hex Head Cap Screw Blank	up to 425m	10.9	Plain
M36	Hex Head Cap Screw Blank	up to 425m	10.9	Plain
M42	Hex Head Cap Screw Blank	up to 425m	10.9	Plain

#7 HEAD PLOW BOLT BLANK STOCK

DIAMETER	PRODUCT	LENGTH	GRADE	FINISH
.625"	#7 Head Plow Bolt Blank	up to 10"	8	Plain
.750"	#7 Head Plow Bolt Blank	up to 17"	8	Plain
.875"	#7 Head Plow Bolt Blank	up to 17"	8	Plain
1.00"	#7 Head Plow Bolt Blank	up to 17"	8	Plain
1.25"	#7 Head Plow Bolt Blank	up to 8"	8	Plain
1.50"	#7 Head Plow Bolt Blank	up to 12"	8	Plain

SQUARE HEAD BLANK STOCK

DIAMETER	PRODUCT	LENGTH	GRADE	FINISH
.625"	Square Head Bolt Blank	up to 12"	5	Plain
.875"	Square Head Bolt Blank	up to 15"	5	Plain
1.00"	Square Head Bolt Blank	up to 6"	5	Plain
1.00"	Square Head Bolt Blank	up to 20"	8	Plain
1.125"	Square Head Bolt Blank	up to 15"	8	Plain
1.25"	Square Head Bolt Blank	up to 22"	5	Plain
1.50"	Square Head Bolt Blank	up to 20"	5	Plain



***DISTRIBUTOR FOCUSED.
QUALITY DRIVEN.
TIME TESTED.***



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7 BRANDS 1 PURPOSE

TO SUPPORT OUR DISTRIBUTORS WITH THE WIDEST
PRODUCT OFFERING, BEST DELIVERY AND HIGHEST
QUALITY FASTENER SOLUTIONS AVAILABLE.



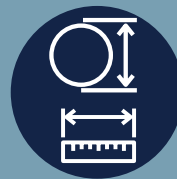
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FOR DELIVERING THE HIGHEST QUALITY
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MORE THAN
1.3 BILLION
PARTS SHIPPED ANNUALLY



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SUPPORT AND DESIGN HELP



**BOLTS, SCREWS, RODS,
STUDS AND NUTS**

- FROM 3/16" TO 96" IN LENGTH
- 1/4" TO 1 1/4" IN DIAMETER
- NUTS FROM 1/4" TO 7/8"
- METRIC OPTIONS ASLO AVAILABLE

WIRE FORMS

- CUSTOM CNC CAPABILITIES
- 3/32" TO 1" IN DIAMETER
- 1/2" TO 144" IN LENGTH



WIRE FORMS



LONG BOLTS AND RODS



NUTS



**BOLTS, SCREWS, RIVETS
AND STUDS**



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FASTENING 101 (held Tuesday, May 21 before show opens)	\$399.00 USD
WELCOME RECEPTION AT GM RENAISSANCE CENTER (includes drinks and appetizers)	\$30.00 USD



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At Fastener Fair USA, equipping you with the tools and training you need to do your job is key. Take advantage of multiple learning opportunities throughout the event to sharpen your expertise, strengthen your network, and stay up-to-date on the latest industry advancements.

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Fastener Fair USA will feature more free education sessions to better serve the multitude of functions within the fastener industry. The **DistributorTracks** sessions will feature experts in the industry with best business practices, and the **TechTalks** sessions will feature the latest in technical processes and technology. All sessions will be located on the show floor and are included in your exhibit hall pass.

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MAY 22-23, 2019
COBO CENTER
DETROIT, MICHIGAN, USA

SCHEDULE AT A GLANCE

TUESDAY, MAY 21	TIME
REGISTRATION OPENS	8:00am
FTI SEMINAR-FASTENING 101	8:30am – 4:30pm
WEDNESDAY, MAY 22	
EXHIBIT HALL OPEN	10:00am – 5:00pm
KEYNOTE SESSION	9:00am – 9:50pm
THEATER PRESENTATIONS	10:00am – 5:00pm
WELCOME PARTY AT GM RENAISSANCE CENTER	5:00pm – 8:00pm
THURSDAY, MAY 23	
EXHIBIT HALL OPEN	10:00am – 3:00pm
THEATER PRESENTATIONS	10:00am – 3:00pm

Subject to change. Please check fastenerfair.com/usa for the most current schedule.

REGISTER NOW at fastenerfair.com/usa

KEYNOTE SESSION

TRANSFORM. IGNITE. DISRUPT.

Tuesday, May 22, 9:00am - 9:50am

Steve Blue, Miller Ingenuity

It is possible for rust-belt companies to achieve superior profits, enter new markets, and repel offshore competition. This keynote provides a blueprint for senior executives that want to revitalize, reinvent, and rejuvenate their companies. Explore ways to unleash a blizzard of new highmargin products that will delight your customers and destroy your competition.

DISTRIBUTOR TRACKS

SEVEN REASONS WHY YOUR COMPANY NEEDS SUSTAINABILITY TO SURVIVE

Gail Friedberg, Zago Manufacturing

Over the past decade sustainability has moved from the fringes of the business world to a top priority. Adopting sustainable business practices not only makes your company more appealing to customers, it makes it a more attractive workplace. Learn why you need to sustainability to survive and thrive in the today's hyper-competitive marketplace.

FALLING DOWN

PJ McCaughn, Innovative Components, Inc.

Let's face it, sometimes bad things happen to good people and all of us have experienced adversity in our lives: Being let go from our job, getting passed up for a promotion, financial instability – the list goes on and on. In this presentation, we will



discuss tips, techniques and strategies to cope with these tough situations, put our train back on the tracks, and come through the other side intact.

EXECUTING AT THE SPEED OF CHANGE

Mike White, Brighton Best International

The demands placed on the modern distributor are undergoing a tectonic shift. No industry is excluded from the intense pressure to deliver in response to the demands of the customer. Engineering a new solution in this environment is paramount to success and business sustainability. The focus of this session will be on unpacking this new environment and setting attendees on a path to win through a commitment to strategic execution.

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TECH TALKS

THE KEY TO INDUSTRY 4.0 SUCCESS: WHY MOST PROJECTS FAIL AND HOW TO LEARN FROM THEIR MISTAKES

Graham Immerman, MachineMetrics

Of the many manufacturers that are in pursuit of digitization, a large number of these projects are unlikely to succeed and this failure rate has led to a greater hesitation for manufacturers to embark on their digital transformation journeys. So, what's the key to digitalization success? Attend this presentation to find out.

RISK MANAGEMENT

Carmen Vertullo, CarVer Consulting and Rob LaPoint, AIM Testing Laboratory

What steps need to be taken to ensure your risk management plan is ready? During this presentation, Carmen will uncover the ways successful businesses use quality management to identify, assess, assign and strategize for risk management.

FUNDAMENTALS OF THREADED FASTENERS

Dr. Sayed Nassar, Fastening and Joining Research Institute and Oakland University

This presentation highlights the key aspects necessary for ensuring the safety, quality, and reliability of threaded fastener systems. Beyond corrosion protection function of fastener coating, learn more about other significant effects of coating and friction in threaded fasteners.

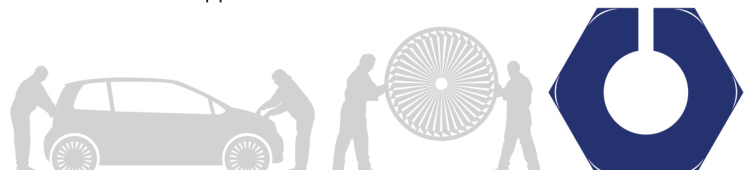
Sessions as of March 28. Visit fastenerfair.com/usa for the full session list and schedule.



CONSISTENT GLOBAL QUALITY ASSURED IN AN OEM WORLD

Lammert DeBoer, ZinKlad, DecoKlad & XMAPP

As automotive OEM performance requirements continue to increase, increased challenges are presented to the supply chain to provide consistent quality parts. This session will discuss a unique new quality assurance program that tackles the challenges for high-performance automotive coatings throughout the applicator network.



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