

## Meet the ETI Training Team

Read more details about each instructor at [www.etinews.com/instructors](http://www.etinews.com/instructors)

Let ETI provide your organization with the most current, comprehensive GD&T instruction in industry. One of ETI's qualified instructors will come to your site to conduct hands-on workshops on a variety of GD&T and related subjects. We provide training at locations around the world, and all of our workshops can be customized to include your drawings and parts.

### All of ETI's instructors are industry professionals with:

- Expert knowledge of the Y14.5 Standard
- Current or recent industrial experience using GD&T
- At least five years of experience using GD&T
- Experience and skill using ETI teaching materials



### Alex Krulikowski, Founder and President of ETI

ETI's courses and materials were developed by Alex Krulikowski, an expert on geometric tolerancing and a member of several national tolerancing committees. As a design manager with one of the world's largest manufacturing corporations, Alex gained more than 30 years of industrial experience putting GD&T to practical use on the shop floor. Alex has a degree in industrial vocational education, and he has been teaching GD&T for more than 20 years. Because he understands how to apply adult learning principles, all of his courses utilize a series of goals and objectives that reinforce concepts and produce measurable results.

### ETI Dimensional Engineering Mentors

#### Michael Adcock, ASME Senior Level Certified

Michael has ten years of experience in the aerospace and automotive industries as a tooling and product design engineer. He has taught and consulted in a variety of industries: medical, energy, consumer goods, heavy industry, defense, and mining /drilling using ASME and ISO standards. He's in tune with the industrial needs surrounding various forms of manufacturing and global supply chains, and has worked with designs that include composites, plastic moldings, stampings, forgings, castings, and various machining techniques.



#### Roy Cross, ASME Senior Level Certified

Roy has more than 32 years of experience in the automotive industry designing brakes systems, wheels, drive train, HVAC, and engine cooling systems. As a designer, checker, and design leader, he has applied GD&T and implemented the functional dimensioning philosophy to a multitude of products, worked with various CAD systems, and performed countless 1D, 2D, and 3D tolerance stack analyses utilizing various analytical software programs. He has expert knowledge in both ASME and ISO standards.

### ETI Instructors



#### Bob Bourland

With over 50 years' experience in the design field, Bob has worked as a detailer, designer, test technician, checker, drafting supervisor, and chief draftsman. He worked for 7 years as a design leader for one of the world's largest auto companies, and audited new program drawings per the ASME 1994 and GM Special 2001 and 2004 Addendum Standards. Bob's background includes GD&T, functional dimensioning, assembly, and part stacks. He teaches GD&T fundamentals, advanced concepts and stacks for ETI.



#### Dan Carlson, ASME Technologist Level Certified

Dan Carlson graduated from Michigan Technological University Summa Cum Laude with a Bachelor of Engineering Degree. His background in automotive design includes checking, tolerance analysis, and supplier coordination using GD&T, giving him a solid grasp of the topic. Dan has been an adjunct instructor for Baker College. His background includes operating his own engineering design firm. He has been teaching since 1993.



#### Robert Charlton, ASQ Certified Quality Engineer

Bob Charlton has worked in Manufacturing QA as a Quality Manager and Director for over 20 years. He has a Business Administration degree from Wayne State Univ. and a Journeyman's card as a Toolmaker. Bob has been an adjunct faculty member at Macomb Community College since 1991, teaching Applied Technology subjects such as GD&T, SPC, Plastics Processing & Tooling, and Blueprint Reading. Bob has used and interpreted GD&T his entire career in QA, especially to concept and design checking fixtures for OEM automotive parts.



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For more info about our workshops, call 1-800-886-0909 or visit our website.

## Meet the ETI Training Team

### Brent Davis, ASME Senior Level Certified

Brent is a Senior Design Engineer, GDT Rep for Ford Motor Company Automatic Transmission Operations, with over 20 years in automotive product and tooling design. He is a support person on the ASME Y14.41 subcommittee and has a seat on the USCAR team that generates the addendum to the ASME Y14.5 Standard. Brent is also a member of the Ford Engineering & CAD Drafting Standard Committee and helped define Y14.41 material before the standard was published. He is very active in the Ford C3P Initiative. Brent has been an ETI instructor for over 10 years, teaching GD&T at all levels.



### Charles (Don) Holder, ASME Senior Level Certified

Don has over 33 years of product engineering experience at one of the world's largest automobile corporations. His responsibilities have included detailing plus designing and checking automatic transmission component drawings. He has also held various leadership positions. Don began his GD&T journey in 1978 as one of the first in his division to be trained. Since then, he has taught GD&T and provided technical support for applying GD&T on engineering drawings. Don is preparing for ASME Senior Level Certification testing.



### Dale MacPherson, ASME Senior Level Certified

Dale has over 30 years in automotive product design. As a Senior Product Designer in Dimensional Engineering for GM Powertrain, he provides GD&T consulting and training, and software testing and development for embedded GD&T tools. He is a member of the GM GD&T task team and the Aircraft Special Interest Group tolerancing module JAD team. He is a registered GM University instructor with an Associate's Degree in Tool Fixture and Die Design and a certificate in electro-mechanical engineering. He has been teaching since 1999.



### Dan Meyers, ASME Senior Level Certified

Dan has over 30 years of experience in mechanical design as a drafter, designer, checker, and dimensional management mentor. He has indepth knowledge of the ASME Y14.5M-1994 and ISO 1101 Standards, and over 14 years of experience with VisVSA 3D tolerance analysis. He has served as chairman of the Delphi Dimensional Management Team since 1999. Dan led in the development of a comprehensive GD&T training program for Delphi Automotive, and has trained designers/engineers on dimensional management, tolerance stacks using GD&T, embedding GD&T in UGNX3, and VisVSA.



### Christopher Nolan, ASME Senior Level Certified

Christopher has over 20 years of experience in automotive product and tooling design. His design services have been used by Visteon, Ford, and GM. Christopher has taken several design courses at the Ford Training Dev. Ctr. and is certified in detailed drawing, descriptive geometry, and trigonometry by the Batavia School of Drafting. He's a member of Visteon's Engineering CAD Stds and GD&T Technical Committees, and a supplier member of Ford's GD&T Committee. He teaches GD&T fundamentals, advanced concepts, and stacks.



### Dave Slopsema, ASME Senior Level Certified

Dave Slopsema is a design supervisor with one of the world's largest manufacturing corporations. He began his engineering career performing Finite Element Analysis, and his recent experience includes 12 years designing engine components and subsystems. Dave is experienced applying GD&T to production designs and performing tolerance stackups. He mentors others in both disciplines. Dave has a Master's Degree in Mechanical Engineering from the University of Michigan and is a licensed Professional Engineer in the state.



### Carl Wargula, ASME Senior Level Certified

Carl Wargula has been teaching GD&T since 1980 and has also taught other industrial topics including Blueprint Reading and SPC. His industrial experience is in the Powertrain and Aerospace industries. Carl holds a Bachelor of Science from the University of Wisconsin and is a member of SME and ASQ. He is also an adjunct instructor at Gateway Community College.



Students who attend our workshops walk away with more than knowledge. They gain on-the-job skills because our materials are performance-based and each workshop approaches the subject from a design perspective. Our instructors use identical training materials and lesson plans, so you receive the same class presentation from every trainer. For more onsite workshop information — or to request a custom quote package — call 1-800-886-0909, or email [sales@etinews.com](mailto:sales@etinews.com).



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