



Ted Stanfield  
MTTA President

# 2014 Missouri ACTE Summer Conference & Trade Show

July 21 - 24, 2014

*"Professional Development  
Starts Here"*

Updated 7/15/14

## MTTA (Trade & Tech) Division

*All MTTA events will be held on the OTC campus, unless otherwise indicated.*

### Monday, July 21

9:30 a.m.

#### Missouri ACTE Board of Directors Meeting

University Plaza - Illinois Room

1:00 p.m. - 6:00 p.m.

#### Missouri ACTE Conference Registration

EXPO Center - Hall A & B - 635 St. Louis Street

1:00 p.m. - 6:00 p.m.

#### Exhibits Open

EXPO Center - Hall A & B - 635 St. Louis Street

3:30 p.m. - 4:30 p.m.

#### MTTA Program Planners Meeting

ICW 220

Chairs, Chair Elects and Program Planners Attend

### Tuesday, July 22

7:30 a.m.

#### All Missouri ACTE Committee Meetings

University Plaza Convention Center - Arizona Room

8:00 a.m. - 2:00 p.m.

#### Exhibits Open

EXPO Center - Hall A & B - 635 St. Louis Street

8:00 a.m. - 5:00 p.m.

#### Missouri ACTE Conference Registration

EXPO Center - Hall A & B - 635 St. Louis Street

8:45 a.m.

#### New Professional Reception

University Plaza Convention Center - Arizona/Georgia/Iowa

### Tuesday, July 22 (Cont.)

10:00 a.m.

#### Opening General Session

EXPO Center - Hall C - 635 St. Louis Street

Welcome; Awards; President-Elect Speeches

Speaker: Ryan Underwood - "Be There. Be Ready. Be Willing."

1:00 p.m. - 3:00 p.m.

#### MCRIA-Missouri Collision Repair Instructors Association Regular Business Meeting

Oasis Convention Center - Bora Bora Room

3:30 p.m. - 5:45 p.m.

#### MTTA General Session/ Business Meeting

LCN 211

Attendance Required (Door Prizes)

#### CLUSTER MEETINGS

Construction - LCN 112

Transportation - LCN 205

Service - LCN 114

Graphics - LCN 211

Manufacturing - LCN 211

Will take place during Business Session. 3:30 p.m. - 5:45 p.m.

7:00 p.m. - 10:00 p.m.

#### Springfield Cardinals Baseball

### Wednesday, July 23

7:30 a.m. - 10:15 a.m.

#### MTTA Breakfast Snacks

ICW 100 Hallway

Sponsor: TBD

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# MTTA (Trade & Tech) Division Agenda (Cont.)

## Wednesday, July 23 (Cont.)

8:00 a.m. -11:00 a.m.

### Missouri ACTE Late Registration

*University Plaza Hotel Lobby*

8:00 a.m. - 9:45 a.m.

### Construction

#### Integrating Math in the Construction Field

*Location: LCN 112*

You will learn to how to simply integrate mathematics into your curriculum. This presentation will provide a few simple projects to use with you students that include correct math terminology while teaching the basic trade skills required. These projects are easily inserted into your current curriculum and leads directly to real world application on the job site.

Presenter: David Richner; Integrated Academics Instructor; Warrensburg, MO

8:00 a.m. - 9:45 a.m.

### Graphics

#### PhotoShop Tips and Tricks

*Location: LCN 110*

Learn some tips and tricks the the pros use to turn your photos from good to "Framable"! Some topics will be layers, filters, and blending modes. Getting our students marketable in the profession is where we are heading with this hands-on, informative workshop.

Presenter: Cara Dee

8:00 a.m. - 9:45 a.m.

### Service

#### Microsoft Technology Associate Certifications

*Location: ITC 211*

Microsoft Technology Associate Certifications: The Microsoft Technology Associate (MTA) certification is the ideal and preferred path to Microsoft's world-renowned technology certification programs, such as Microsoft Certified Technology Specialist (MCTS) and Microsoft Certified IT Professional (MCITP). MTA is positioned to become the premier credential for individuals seeking to explore and pursue a career in technology, or augment related pursuits such as business or any other field where technology is pervasive.

CompTIA Strata IT Fundamentals: The CompTIA Strata IT Fundamentals certificate program offers individuals a broad introduction to computing technology and serves as a critical stepping stone to advanced technical learning and IT skills. The exam measures an individual's knowledge of basic IT terminology and skills, such as setting up a basic PC work station, installing software, identifying compatibility issues and recognizing and preventing basic security risks.

Presenter: Jeff Christensen, Organization Certiport a Pearson Vue Company

## Wednesday, July 23 (Cont.)

8:00 a.m. - 9:45 a.m.

### Service

#### Technology in the Classroom: How to Connect Students

*Location: ICW 108B*

Explore ways to connect students to your class, curriculum, and the world by using 21st century technology. Learn how to incorporate successful methods and proven technologies to connect your students and make your job easier.

Presenter: Jock Thompson, Instructor, Gibson Technical Center

8:00 a.m. - 9:45 a.m.

### Service

#### Law Enforcement/CSI Curriculum Meeting

*Location: ICW 220*

Presenter: Darrick Bruns, CSI Instructor

8:00 a.m. - 9:45 a.m.

### Transportation

#### Automotive Technology for the 21st Century

*Location: ITC 217*

(ABDS) Accessory Belt Drive System, New Government Regulations on fuel line, Cooling System Service for the 21st century!

Presenters: Kenny Pope and Terry Dodd, Territory Sales Managers

8:00 a.m. - 11:45 a.m.

### Construction

#### Career Connections for High School and Tech Carpentry

*Location: LCN 146*

Presenter: Jack Callender, Coordinator, Carpenters St. Louis

8:00 a.m. - 11:45 a.m.

### Graphics

#### Adobe After Effects for the Classroom

*Location: LCN 101*

Best practices for using Adobe After Effects in your classroom. This hands-on workshop will help you get your students up and running in no time. Learn some new tips and tricks or share your own with us. This is an informal, let's work together kind of atmosphere to help us all get on the same track with our students and what we are teaching. Please join us for some work and play!

Presenter: Tim Wallace, Instructor, Waynesville Career Center

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# MTTA (Trade & Tech) Division Agenda (Cont.)

## Wednesday, July 23 (Cont.)

8:00 a.m. - 11:45 a.m.

### Graphics

#### **Lesson Plan Round Table**

*Location: ITC 221*

Come and Go Lesson Plans and Planning. Participants must submit a lesson plan (10 copies) This is a non-structured come and go, or visit and stay workshop for instructors wanting to get and give ideas on how they teach the various competencies for Graphic Communications/Design

Presenter: Joyce Dent, Instructor, Nevada Regional Technical Center

8:15 a.m. - 9:00 a.m.

#### **TEAM Workshop: Woodwork Career Alliance of North America (WCA): Promoting a Skilled Workforce for the Woodworking Industry.**

*OTC Campus - Lincoln Hall - Room: 211*

Presenters: Robert Studdard, Wood Manufacturing Instructor, Rolla Public Schools and Greg Heuer, Secretary, Woodworkers Career Alliance

8:00 a.m. - 11:45 a.m.

### Transportation

#### **WKR01 Hazardous Materials, Personal Safety, and Refinish Safety**

*Location: ITC 105 & 105A*

Missouri collision Instructors, this is one of our Pro-Level One EE courses that deal with safety. This will be an I-Car live class a must attendance to see how a class is presented. Plan on attending and learn some new information, learn some presentation skills, and see how props are a valuable teaching tool!

Presenter: Phil Wideman, Automotive Instructor, Linn State

8:00 a.m. - 11:45 a.m.

### Transportation

#### **Current Sensing Using a Shunt and Hall Effect**

*Location: ITC 105 & 105A*

Learn how to show your students about circuit diagnosis utilizing Current Sensing using a Shunt and Hall Effect. This presentation will include instruction and hands-on training with training boards.

Presenter: Tom Smalldon, Automotive Technics, Owner

## Wednesday, July 23 (Cont.)

8:00 a.m. - 11:45 a.m.

### Transportation

#### **Electrical Diagnosis Using Wiring Diagrams**

*Location: ITC 215*

Primary: Basic electrical diagnosis using wiring diagrams.  
Secondary: SkillsUSA National Contest and Ford/AAA Student Auto Skills

Presenter: Bob Wheeler, Technical Operations Coordinator, Ford Motor Company

8:00 a.m. - 11:45 a.m.

### Transportation

#### **Rolling Smooth - Wheel Balancing and Road Force Variation Review**

*Location: ITC 115 & 115A*

Quick review of vibration theory, vibration sources, balancing theory and balancing accessories. Also Centering Check®, Road Force Measurement®, MatchMaker® and "hands-on" fundamental hardware and software operation using a Hunter Road Force Balancer will be covered

Presenter: Roger Creason, National Field Training Instructor, Hunter Engineering Company

9:15 a.m. - 10:15 a.m.

#### **TEAM Workshop: The CNC Router Revolution Continues - Part #1**

*OTC Campus - Lincoln Hall - Room 141*

Presenters: Kent and Lyman Hannah

10:00 a.m. - 11:45 a.m.

### Construction

#### **Integrating Math in the Construction Field**

*Location: LCN 112*

You will learn to how to simply integrate mathematics into your curriculum. This presentation will provide a few simple projects to use with you students that include correct math terminology while teaching the basic trade skills required. These projects are easily inserted into your current curriculum and leads directly to real world application on the job site.

Presenter: David Richner; Integrated Academics Instructor; Warrensburg, MO

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# MTTA (Trade & Tech) Division Agenda (Cont.)

## Wednesday, July 23 (Cont.)

10:00 a.m. - 11:45 a.m.

### Graphics

#### **Tour and Demonstration of Vinyl Car Wrap**

*Location: 836 North Glenstone*

Transport Graphics Owner Ken Walker will also be available from 11:45 to 12:30 at the sgf mobile food park on our parking lot for questions and answers for an informal lunch.

Presenter: Ken Walker, Owner, Transport Graphics

10:00 a.m. - 11:45 a.m.

### Manufacturing

#### **Tank Components Facility Tour**

*Location: 2000 North Alliance Avenue*

Tour of the new facilities for Tank Components Industries. Our company has hundreds of years of combined experience in the manufacturing and marketing of stainless steel tank components. We will introduce you to a level of quality that you have not experienced before

Presenter: Dale Sandy, Tank Components Industry

10:00 a.m. - 11:45 a.m.

### Transportation

#### **Automotive Technology for the 21st Century**

*Location: ITC 217*

(ABDS) Accessory Belt Drive System, New Government Regulations on fuel line, Cooling System Service for the 21st century!

Presenters: Kenny Pope and Terry Dodd, Territory Sales Managers

10:00 a.m. - 11:45 a.m.

### Transportation

#### **Insite & After Treatment Familiarization**

*Location: ITC 213*

Insite basic's & refresher course, ISX CM 2350 After treatment & SCR basic overview.

Presenter: Tom Adams, Cummins Central Power

10:00 a.m. - 11:45 a.m.

### Service

#### **Technology in the Classroom: How to Connect Students**

*Location: ICW 108B*

Explore ways to connect students to your class, curriculum, and the world by using 21st century technology. Learn how to incorporate successful methods and proven technologies to connect your students and make your job easier.

Presenter: Jock Thompson, Instructor, Gibson Technical Center

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*Location ITC 211*

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Presenter: Jeff Christensen, Organization Certiport a Pearson Vue Company

10:00 a.m. - 11:45 a.m.

### Service

#### **Tour of Jordan Valley Innovation Center**

*Location: 24 N. Boonville Ave.*

A tour of the Center for Applied Science & Engineering (CASE) at Missouri State University's Jordan Valley Innovation Center (JVIC). CASE is committed to the development and support of advanced materials research. Areas of concentration include carbon based electronics, materials research and characterization, microelectronic devices, composites, and systems fabrication. Within these areas of interest, CASE provides engineering and technical support for high risk research and development, materials, synthesis, and testing services. CASE works with industrial, government, and academic partners to identify opportunities and develop solutions for enhancing technologies, processes, and products.

Presenter: Matt Curry, Missouri State University

10:00 a.m. - 11:45 a.m.

### Service

#### **Law Enforcement/CSI Curriculum Meeting**

*Location: ICW 220*

Presenter: Darrick Bruns, CSI Instructor

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# MTTA (Trade & Tech) Division Agenda (Cont.)

## Wednesday, July 23 (Cont.)

10:30 a.m. - 11:30 a.m.

### **TEAM Workshop: The CNC Router Revolution - Part #II**

*OTC Campus - Lincoln Hall - Room 141*

Presenters: Kent and Lyman Hannah

12:00 p.m. - 1:00 p.m.

### **MTTA Luncheon - RIB CRIB**

*Location: LCN 211*

Pre-Register for Luncheon with Dorothy Loges

1:00 p.m. - 2:45 p.m.

### **Construction**

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Presenter: David Richner; Integrated Academics Instructor; Warrensburg, MO

1:00 p.m. - 2:45 p.m.

### **Construction**

#### **Career Connections for High School and Tech Carpentry**

*Location: LCN 146*

Presenter: Jack Callender, Coordinator, Carpenters St. Louis

1:00 p.m. - 2:45 p.m.

### **Graphics**

#### **Bringing PDP Into Your Classroom**

*Location: LCN 101*

Learn how to incorporate the SkillsUSA Professional Development Program into your classroom to optimize your students professionalism. Using a plan makes your life easier and your students less stressed.

Presenter: Dorothy Loges, Instructor, Dallas County Technical Center

## Wednesday, July 23 (Cont.)

1:00 p.m. - 2:45 p.m.

### **Transportation**

#### **Collision Repair Curriculum Workshop**

*Location: ITC 105 & 105A*

Missouri Collision Repair Instructors need to attend this workshop. We will be working on our I-Car Level 1 EE curriculum

Presenter: John Harden, Instructor, Lex La-Ray Center

1:00 p.m. - 2:45 p.m.

### **Transportation**

#### **Automotive Technology for the 21st Century**

*Location: ITC 217*

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Presenters: Kenny Pope and Terry Dodd, Territory Sales Managers

1:00 p.m. - 2:45 p.m.

### **Transportation**

#### **Insite & After Treatment Familiarization**

*Location: ITC 213*

Insite basic's & refresher course, ISX CM 2350 After treatment & SCR basic overview.

Presenter: Tom Adams, Cummins Central Power

1:00 p.m. - 2:45 p.m.

### **Transportation**

#### **Tour Northstar Battery Plant**

*Location: 1320 N. Alliance*

Northstar Battery Plant Tour 1320 N Alliance Springfield MO by Airport (must supply your own transportation)

Presenter: James Yaws, Account Manager Allied Oil and Tire Company

1:00 p.m. - 2:45 p.m.

### **Service**

#### **Tour of OTC Networking Technology Program**

*Location: OTC Networking Department Graff Hall*

Tour and overview of the Networking Technology program at OTC. This will include; classrooms, student run PC Repair Clinic, and our extensive Netlab infrastructure used to support course lab delivery.

Presenter: George Gibeau, Department Chair, Networking Technology, OTC

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# MTTA (Trade & Tech) Division Agenda (Cont.)

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1:00 p.m. - 2:45 p.m.

### Service

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*Location: ICW 220*

Presenter: Darrick Bruns, CSI Instructor

1:00 p.m. - 2:00 p.m.

### **TEAM Workshop: The CNC Router: STEM "Ideas for Implementation"**

*OTC Campus - Lincoln Hall - Room 141*

Presenters: Kent and Lyman Hannah

1:00 p.m. - 2:45 p.m.

### All Clusters

#### **Incorportaion Common Core Technical Standards into CTE Lesson Plans**

*Location: LCN 211*

This presentation will provide a brief introduction, or refresher, of the CCTS, followed by a discussion and demonstration on how to incorporate CCTS into lesson planning for our various CTE content areas. Attendees will receive an updated lesson plan template to follow that incorporates CCTS in the lesson planning process.

Presenter: Lori Cochran, Assistant Professor, UCMO

1:00 p.m. - 2:45 p.m.

### All Clusters

#### **Flip Your Classroom Using Edmodo**

*Location: ITC 221*

Want to streamline your classes using the Web? Tired of hearing "What did I miss?" Here's your answer, Edmodo offers an easy to use interface much like Facebook, but it is restricted to you and your students. Post questions to encourage a discussion, Post lessons, Make Assignments and have them returned via Edmodo (no more lost papers), Create a Quiz and have Edmodo grade it and post it in the Edmodo Gradebook, and keep your resources easily accessible by you and your students using the folders. Students even have a backpack to keep their stuff in to work on at home. Bring your laptop or just come and follow along-hand-outs available to the first 30 attendees, after that you will need to sign up to have the info emailed to you.

Presenter: Deb Zoglmann, Instructor, Nevada Regional Technical Center

## Wednesday, July 23 (Cont.)

1:00 p.m. - 2:45 p.m.

### All Clusters

#### **Missouri Career Center: Workforce Development**

*Location: ICW 214*

Overview of the Workforce Development System, Workforce outlook, Projected careers, Employer exceptions. Application process: paper and on-line Interview process. The usage of score sheets. National Career Readiness Certificate.

Presenters: Cynthia Collins, Business Services Representative Ozark Region, and Sherry Coker; Business Services Representative, Missouri Career Center

3:30 p.m.

### **House of Delegates Meeting**

*University Plaza Hotel - Illinois Room (Changed from last year)*

7:30 p.m. - 10:30 p.m.

### **All-Division Social**

*Ramada Plaza Hotel & Oasis Convention Center  
2550 N. Glenstone*

## Thursday, July 24

9:30 a.m. - 11:00 a.m.

### **MTTA Post Conference Planners Meeting**

*Location: ICW 220*

Chairs, Chair-Elects and Program Planners Attend

11:30 a.m. - 12:30 p.m.

### **MTTA Executive Board Post Conference Meeting**

*Location: Ramada Inn Oasis Sahara B*

Board Members, Including Chair and Chair-Elects from Each Cluster

12:00 p.m.

### **Missouri ACTE Board of Directors Meeting**

*University Plaza - Colorado Room*

Lunch served at 11:30 a.m.