



Sally Werner  
2003-2004 MTTA President

# Missouri Trade and Technical Association (MTTA)



## Missouri Trade & Technical Association Summer Conference Luncheon Wednesday, July 28, 2004 Reservation Form



*(Reservation Deadline: June 15, 2004)*

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

School/Office Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Cost of Luncheon: \$10 per person

# of Reservations: \_\_\_\_\_ Amount Enclosed \$ \_\_\_\_\_

Make Checks payable to: **Missouri Trade & Technical Association**

Mail Reservation to: Carl Locke  
MTTA Treasurer  
1618 Highway 215  
Brighton MO 65617

**Reservation Form and Payment Deadline: June 15, 2004**

Advance Reservations Required - No On-site Reservations

Contact Charlene Piel, MTTA Secretary at 816-734-2589 if you have questions

*(Receipts will be issued at luncheon.)*

# MTTA Conference Agenda

## Sunday, July 25, 2004

4:00 p.m. - 6:00 p.m.

### **MTTA-Executive Board Work Session**

*Sheraton Hawthorn Park Hotel -  
10th floor Parlor Room*

Attendees: MTTA Executive Board

## Monday, July 26, 2004

9:30 a.m.

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

*University Plaza - Oklahoma Room*

1:00 p.m. - 7:00 p.m.

### **Missouri ACTE Conference Registration**

*Springfield EXPO Center  
635 St. Louis Street*

1:00 p.m. - 7:00 p.m.

### **Exhibits Open**

*Springfield EXPO Center  
635 St. Louis Street*

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

### **Carousel Special Session - Professional Accreditation for Your Program**

*IC East - Room 123 A (ICE 123 A)*

Presenters: Walt Kennon, Associated General Contractors; Dennis Harden, Coordinator, DESE, and Ed Norman, AWS, Southwest Area Career Center

3:00 p.m. - 5:00 p.m.

### **MTTA Cluster Chair/Program Planners Conference Update Meeting**

*IC West - Room 108 A, B, C (ICW 108 A, B, C)*

## Tuesday, July 27, 2004

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

### **Exhibits Open**

*Springfield EXPO Center  
635 St. Louis Street*

## Tuesday, July 27, 2004 (Continued)

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

### **Missouri ACTE Conference Registration**

*Springfield EXPO Center  
635 St. Louis Street*

8:00 a.m.

### **All Missouri ACTE Committee Meetings**

*University Plaza - Colorado Room*

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

### **Carousel Special Session - Professional Organization - "Why You Should Be Active"**

*ICW 108 A, B, & C*

Presenters: Matthew Bond, Crowder College and Kevin Peterman, Nevada Regional Technical Center

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

### **Missouri ACTE New Professional Reception**

*University Plaza - Oklahoma, Illinois & Colorado Rooms*

10:30 a.m.

### **Missouri ACTE Opening General Session**

*Springfield EXPO Center - Section C  
635 St. Louis Street*

### **A Support from the Top**

Speaker: Belle S. Wheelan, Ph.D.; CTE

12:30 p.m. - 1:30 p.m.

Food available in Springfield EXPO Center

### **All-Division Concurrent Session**

### **Infectious Passion in the Workplace**

*Springfield EXPO Center - Section C  
635 St. Louis Street*

Presenter: Bill Karlson

### **Program Evaluation**

*Springfield EXPO Center - West Mezzanine  
635 St. Louis Street*

Presenter: Jim Spencer

Tuesday, July 27, 2004 (Continued)

1:30 p.m. - 3:15 p.m.

**MTTA Opening General Session/Annual Business Meeting**

*ICW 100A,B,C,D*

Attendance Required.

**Note:** Attendance requirements begin at 1:30 p.m., Tuesday, July 27, for DESE Certification credit.

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

**Construction Cluster Meeting**

*ICW 100A,B*

3:30 p.m. - 4:30 p.m. (Continued)

**Graphics Cluster Meeting**

*ICE 123A*

**Manufacturing Cluster Meeting**

*ICE 123C*

**Service Cluster Meeting**

*Lincoln 211 (LCN 211)*

**Transportation Cluster Meeting**

*ICW 100C,D*

4:40 p.m. - 6:25 p.m.

**Carousel Special Session - New Missouri Trade and Technical Association (MTTA) Teachers - "What's Going on While You're in Springfield and All Year Long?"**

*ICW 108A,B,C*

Presenters: Steve Snodgrass, State Fair CC and Gavin Allan, DESE

6:30 p.m. - 8:30 p.m.

**MTTA/MoSAHOE Reception**

*Sheraton Hawthorn Park Hotel, Rembrandt's*

MTTA and MoSAHOE member/attendees

Wednesday, July 28, 2004

**MTTA Educators Education Carousel Sessions**

Attendance Required or equivalent times at another Carousel Special session or similar function

8:00 a.m. - 9:45 a.m. & 10:00 a.m. - 11:45 a.m.  
(Repeat sessions)

**Note:** Attendance at MTTA Educators Carousel Sessions is required for DESE teacher certification credit. Must attend two (2) sessions for full credit.

**Carousel 1: OTSU**

*ICW 100A*

Presenter: Doug Stewart, Hillyard Technical Center

**Carousel 2: Team Work: What Does It Really Mean?**

*LCN 144*

Presenter: Bev Hickam, Mineral Area CC

**Carousel 3: Legal Issues, Drugs, and Club Scenes**

*LCN 129*

Presenter: Sgt. Kevin Tieman, Harrisonville Police Department

**Carousel 4: Certification for Career Education**

*ICW 100B*

Presenters: Rusty Rosenkoetter & Mark Shore, DESE (Certification section)

**Carousel 5: Mentoring for Trade and Industrial/Health (Mentors, Proteges, Directors, and Instructors)**

*LCN 137*

Presenters: Susie Cox & Bart Washer, CMSU; Nancy Fedorchak, Columbia Career Center; and Tim Gill, LexLaRay Technical Center

**Carousel 6: Blackboard Revisited**

*TEC 112*

Presenters: Lori Cochran and Eric Fudge, CMSU

**Carousel 7: SkillsUSA (Not Your Father's VICA) - Leadership and PDP Part of Curriculum**

*ITC 211*

Presenter: Dr. Paul Light, Supervisor of Industrial Education, DESE

Wednesday, July 28, 2004 (Continued)

**MTTA Educators Education  
Carousel Sessions**

Attendance Required or equivalent times at another  
Carousel Special session or similar function

**8:00 a.m. - 9:45 a.m. & 10:00 a.m. - 11:45 a.m.**  
**(Repeat sessions)**

**Note:** Attendance at MTTA Educators Carousel  
Sessions is required for DESE teacher certification  
credit. Must attend two (2) sessions for full credit.

**Carousel 8: Trade and Industrial Technology -  
"Where the Future Takes Us"**

*ICW 100D*

Presenters: Panel discussion with Dr. Nancy  
Headrick, DESE; Dr. Randy Shaw, SEMO;  
Dr. Michael Wright, CMSU; Gil Kennon, Mineral  
Area CC; and Jack Bitzenberg, Metropolitan CC,  
BTC

**Carousel 9: Inter-Write School Pad**

*TEC 109*

Presenters: John DeLee, Hillyard Career Center

**Carousel 10: "Here Comes Da Judge" -  
Legal Vision and Current Status**

*LCN 211*

Presenters: Honorable Duane Benton, Judge,  
Supreme Court of Missouri and Kristen Morrow,  
Assistant General Counsel, DESE

**Carousel 11: Detecting and Dealing with  
Violent Behavior**

*ITC 207*

Presenter: Mark Potratz, Mineral Area  
Community College

**Carousel 12: Promoting Your Programs -  
"What Aggies and FFA Have Been Doing  
Right for So Long"**

*ICW 222*

Presenters: David Wells, Jackson High School  
and Tom Mooney, Fredericktown High School

Wednesday, July 28, 2004 (Continued)

**MTTA Educators Education  
Carousel Sessions**

Attendance Required or equivalent times at another  
Carousel Special session or similar function

**8:00 a.m. - 9:45 a.m. & 10:00 a.m. - 11:45 a.m.**  
**(Repeat sessions)**

**Note:** Attendance at MTTA Educators Carousel  
Sessions is required for DESE teacher certification  
credit. Must attend two (2) sessions for full credit.

**Carousel 13: Professionalism, Status,  
Perception and Reputation of Career  
Teachers and School**

*LCN 205*

Presenter: Ted Dorton, Southwest Area Career  
Center

**Carousel 14: MTTA Training**

*ICW 108 A, B, C*

Presenter: Charlene Piel, Excelsior Springs  
Career Center

Attendees: Required - Program Planners,  
Program Planners-Elect, Cluster Chairs, Cluster  
Chair-Elect, MTTA Officers, and DESE Staff

**12:00 p.m.**

**MTTA Luncheon**

*ICW 108 A, B, C*

Pre-registration and payment required.

**3:30 p.m.**

**House of Delegates Meeting**

*University Plaza - Arizona Room*

**8:30 p.m.**

**All Division Social**

*Remington's Entertainment Complex  
1655 W. Republic Road*

Thursday, July 29, 2004

**11:30 a.m. -1:00 p.m.**

**MTTA Board of Directors Post-Conference  
Luncheon Meeting**

*Sheraton Hawthorn Park Hotel, Gingers*

Attendees: MTTA Officers, Cluster Chairs,  
Cluster Chair Elects and DESE staff.

**1:00 p.m.**

**Missouri ACTE Board of Directors Meeting**

*University Plaza - Colorado Room*

**Cluster Agendas  
Listed Below**

## Construction Cluster

### Carpentry

Wednesday, July 28, 2004

12:00 p.m. - 4:00 p.m.

#### **Prestressed Concrete Castings**

*LCN 129*

Presenters: Larry Watson and Keith Wallis,  
Prestressed Casting Company

1:00 p.m. - 5:00 p.m.

#### **UBC Rigging Certification**

*Carpenters Training Center  
4639 West Pfeiffer Ct.*

Presenters: Brent Ward and Bob Hale, KCDC  
Apprenticeship

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

#### **Passive Solar Homes and Active Use of Recycled Products**

*LCN 144*

Presenters: Mike Bumgardner, Bonnie Higdon  
and Kristin Allan, Department of Natural  
Resources

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

#### **Horizontal and Vertical Concrete Design**

*LCN 146*

Presenter: Rick Jordan, Quick Imprint

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

#### **New Products from CertainTeed Corporation**

*LCN 137*

Presenter: Mike Harmon, CertainTeed  
Corporation

Thursday, July 29, 2004

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

#### **Prestressed Concrete Castings**

*LCN 129*

Presenters: Larry Watson and Keith Wallis,  
Prestressed Casting Company

## Construction Cluster (Continued)

### Carpentry (Continued)

Thursday, July 29, 2004 (Continued)

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

#### **UBC Rigging Certification (Continued)**

*Carpenters Training Center  
4639 West Pfeiffer Ct.*

Presenters: Brent Ward and Bob Hale, KCDC  
Apprenticeship

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

#### **Concrete Coloring**

*LCN 116*

Presenter: Rick Jordan, Quick Imprint

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

#### **New Products from CertainTeed Corporation**

*LCN 137*

Presenter: Mike Harmon, CertainTeed  
Corporation

## Graphics Cluster

### Graphics Design/Printing

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Hands-On Screen Printing: Design to Print**

*LCN 106*

Limited to 15 people.

Presenter: Mark Rankin, Central MO State  
University

## Graphics Cluster (Continued)

### Graphics Design/Printing (Continued)

Wednesday, July 28, 2004 (Continued)

1:00 p.m. - 5:00 p.m.

#### **Apple Computers Newest Digital Media Tools**

*LCN 104*

Presenter: Morrie Reece, Apple Computers

Facilitator: Jim Gormley

Demonstration of Apple's newest digital media tools - iLife04 including how to use iTunes, iPhoto, iMovie, iDVD and Garageband as a matched set of tightly integrated tools in creating slide shows, movies or DVD projects complete with music and titles.

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

#### **InDesign CS: The Future of Page Layout**

*LCN 101*

Presenter: Tom Petrillo, Adobe Systems

Facilitator: Evann Richards

InDesign allows a smooth transition from your current workflow to an integrated Adobe workflow. Learn the differences between Quark and InDesign, how placing Photoshop, Illustrator and PDF files can streamline your production, new typographic controls, handling transparency and enhance print production.

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

#### **Intermediate PhotoShop Techniques: Hands-on Session**

*LCN 108*

Limited to 25 people.

Presenter: Wilson Hurst, Central MO State University

## Graphics Cluster (Continued)

### Graphics Design/Printing (Continued)

Wednesday, July 28, 2004 (Continued)

3:00 p.m. - 5:00 p.m. (Repeat Session)

#### **Intermediate PhotoShop Techniques: Hands-on Session**

*LCN 108*

Limited to 25 people.

Presenter: Wilson Hurst, Central MO State University

Facilitator: Mark Rankin

3:00 p.m. - 5:00 p.m.

#### **Web Design Tricks & Troubleshooting**

*LCN 101*

Presenter: Joe Angert, St Louis Community College

Facilitator: Evann Richards

Site loading slowly? Alignment off? Objects disappearing? A web wizard discusses fixes for the most common problems and answers your questions.

3:00 p.m. - 5:00 p.m.

#### **Print Instructor Open Forum/Project Exchange**

*LCN 103*

Moderators: Sue Williams and Diann Wolff

Thursday, July 29, 2004

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

#### **What's an Adobe Workflow?**

*LCN 103*

Presenter: Tom Petrillo, Adobe Systems

Facilitator: Evann Richards

See how the Creative Suite: Photoshop, Illustrator, InDesign, GoLive and Acrobat, work together to create print, web and interactive publications. Leverage existing Photoshop and Illustrator files in all applications eliminating the need to save and track multiple files. Learn the elegance of OpenType and what it means to typography.

## Graphics Cluster (Continued)

### Graphics Design/Printing (Continued)

Thursday, July 29, 2004 (Continued)

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

#### **Introduction to Adobe Illustrator: Hands-On Session**

*LCN 108*

Limited to 25 people.

Presenter: Mark Rankin, Central MO State University

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

#### **Fundamentals of Adobe InDesign: Hands-on Session**

*LCN 101*

Limited to 25 people.

Presenter: Jim Scott, Ozarks Technical Community College

8:00 a.m. - 11:45 a.m. (*Repeat Session*)

#### **Apple Computers Newest Digital Media Tools**

*LCN 102*

Presenter: Morrie Reece, Apple Computers

Facilitator: Jim Gormley

Demonstration of Apple's newest digital media tools - iLife04 including how to use iTunes, iPhoto, iMovie, iDVD and Garageband as a matched set of tightly integrated tools in creating slide shows, movies or DVD projects complete with music and titles.

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

#### **Sharing Time - Round Table Discussion of Sources**

*LCN 104*

Presenter: Evann Richards, St Louis Community College

Facilitator: Evann Richards

Share your favorite supplies and sources. Where do you get free fonts, ink toner, paper, clip art, photos, hardware and software? Come prepared to share.

## Manufacturing Cluster

### Mechanical Drafting

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Geometric Dimensioning & Tolerancing**

*ITC 215*

Presenter: Robert Nickolaisen, Dimensional Engineering Services

Facilitator: Kevin Newby

### Architectural Drafting

Thursday, July 29, 2004

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

#### **Working on Historical Restoration Buildings "Designing Today's Modern Loft - Old to New"**

*LCN 144*

Presenter: Travis Willson, Jack Ball Architect, PC

Facilitator: Chuck Berendzen

Information on developing designs turning old downtown buildings into first floor office space with modern loft apartments on upper floors

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

#### **3D Visualization and Animation Using VIZ & 3D Max**

*LCN 144*

Presenters: Robert Allee, Drafting Instructor, Columbia Career Center; Luke Paxton, UMC student; and Mihia Cernusca, Columbia Career Center student

Facilitator: Chuck Berendzen

3Ds Max6, It's not just for character animation or games! Learn other ways to utilize Max6 in the lab. Spice up Mechanical and Architectural drafting using Max materials and lights. Demonstration will include modeling power of Max6 by architectural and animation students.

## Manufacturing Cluster (Continued)

### Welding Technology

Wednesday, July 28, 2004

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

#### **Pulsed MIG Made Simple**

*ITC 102 & 103 (Welding Classroom & Lab)*

Presenter: Kirk Stema, Miller Electric Mfg Co.

Facilitator: Jim Bridwell

Pulsed MIG made simple using the new Axxess Multi-Mig System

3:00 p.m. - 5:00 p.m.

#### **Submerged Arc Welding**

*ITC 217*

Presenter: Jamie Kappeler, Lincoln Electric

Facilitator: Jim Bridwell

Lecture and demonstration of the hand held submerged arc welding process.

Thursday, July 29, 2004

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

#### **Shop Tour of Doing Steel**

*2125 N Golden, Springfield*

Presenter: Monte Doing, Doing Steel, Inc.

Facilitator: Jim Bridwell

Tour of structural steel fabrication using state of the art equipment. **Note:** Long pants, closed-toed shoes & safety glasses required.

### Machine Tool

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Cutting Expenses with Tool and Cutter Regrinding**

*ITC 106*

Presenter: Anthony King, US Tool Grinding, Inc.

Facilitator: Ben Minkel

Benefits of regrinding cutting tools compared to buying new.

## Manufacturing Cluster (Continued)

### Machine Tool (Continued)

Wednesday, July 28, 2004 (Continued)

1:00 p.m. - 5:00 p.m.

#### **Absolute Relativity of High Speed Machining**

*ITC 211*

Presenter: Todd Schuett, Creative Evolution CNC

Facilitator: Joe A. Soucie

Look at the many facets of milling that take it to the next level, high speed or high performance milling, needed to compete in the 21st century. Effective high-speed milling is the harmonious implementation of machine, control, programming and tooling. Delve into machine and control design and features as well as tooling and programming systems along with video demonstrations and interviews.

Thursday, July 29, 2004

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

#### **Saving Time with Rapid Prototyping Technology**

*ITC 106*

Presenter: Keith Green, Mineral Area College

Facilitator: Ben Minkel

Demonstration and discussion of advantages of rapid prototype technology.

### Industrial Maintenance

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Fluid Power Technology: Improving System Operations**

*ITC 101*

Presenter: Ken Strain, John Henry Foster Co.

Facilitator: James Deken

Brief discussion of hydraulic principles, common circuits and a trouble shooting procedure.



## **Manufacturing Cluster (Continued)**

### **Industrial Maintenance (Continued)**

**Wednesday, July 28, 2004 (Continued)**

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

#### **Small Budgets - Big Ideas**

*ITC 104*

Presenter: Steve Snodgrass, State Fair  
Community College

A multi-function trainer can overcome hardware  
shortages and integrate multiple skills.

**3:00 p.m. - 4:45 p.m. (Repeat Session)**

#### **Small Budgets - Big Ideas**

*ITC 104*

Presenter: Steve Snodgrass, State Fair  
Community College

A multi-function trainer can overcome hardware  
shortages and integrate multiple skills.

**Thursday, July 29, 2004**

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

#### **An Introduction to Panelview Setup and Operation**

*ITC 104*

Presenter: Noel Brock, Future Tek, Inc.

Facilitator: Steve Snodgrass

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

#### **Tag You're It**

*ITC 104*

Presenter: Noel Brock, Future Tek, Inc.

Facilitator: Steve Snodgrass

Understanding TAGNAMES in ControlLogix  
Applications

## **Service Cluster**

### **Cosmetology**

**Wednesday, July 28, 2004**

**1:00 p.m. - 5:00 p.m.**

**(Continued Thursday, July 29, 2004; at 8:00 a.m.)**

#### **The "Spa" Treatment**

*The Clip Joint*

*3310 S National Ave*

Presenter: Jackie Bowman, Spa Owner/Manager,  
The Clip Joint

Facilitators: Susan O'Brien and Belinda Hester

Participants will experience and/or observe spa  
treatments such as spa manicure, spa pedicure  
and facial as well as learn about new spa  
treatments, which are becoming more in demand  
in the cosmetology field, at a local salon and day  
spa.

**Thursday, July 29, 2004**

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

**(Continued from Wednesday, July 28, 2004)**

#### **The "Spa" Treatment (Continued)**

*The Clip Joint*

*3310 S National Ave.*

Presenter: Jackie Bowman, Spa  
Owner/Manager, The Clip Joint

Facilitators: Susan O'Brien and Belinda Hester

### **Culinary Arts**

**Wednesday, July 28, 2004**

**1:00 p.m. - 5:00 p.m.**

#### **SkillsUSA National Commercial Baking Contest**

*ICW 108B,C & 106*

Presenter: Bernie Reynolds, Retailers Bakery  
Association

Facilitator: Vickie Fuller

Overview of the contest, expectations from  
judges and question/answer session with the  
National Technical Chair.

## Service Cluster (Continued)

### Culinary Arts (Continued)

Thursday, July 29, 2004

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

#### **Culinary Arts Instructors Business Meeting/Contest Review**

*ICW 108B,C & 106*

Presenters: Culinary Cluster Officers, Paul Santaularia and Vickie Fuller

Business meeting, contest revisions.

12:00 p.m.

#### **Culinary Arts Luncheon**

*Hammons Center, Tower Club*

Facilitator: Paul Santaularia

RSVP required.

Meal sponsored by Springfield/Branson Missouri Restaurant Association

### Heating, Ventilation, Air Conditioning and Refrigeration

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Ground Source Heat Pump**

*LCN 143 & LCN 118*

Presenter: Fred Schoen, GEO Enterprise

Facilitator: David Richards

Basic principals of how a ground source heat pump works. Demonstration of theory with an actual working system.

Thursday, July 29, 2004

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

#### **Tour of Paul Mueller Co.**

*1600 W Phelps*

Presenter: Roger Haley, Sales Manager, Paul Mueller, Co.

Facilitator: David Richards

Tour of the refrigeration lab used to train technicians and explanation of equipment Mueller uses.

## Service Cluster (Continued)

### Public Safety

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Ethical Considerations for Law Enforcement Practitioners**

*ITC 221*

Presenter: Bryan A Courtney, MO Regional Community Policing Institute

Facilitator: Ramona Finley

Interactive workshop exploring ethical issues, questions and problems relevant to law enforcement practitioners and those instructing law enforcement students and practitioners. Emphasis on recognition of ethical issues, personal and professional decision-making skills, consequences of ethical/unethical behavior, moral development and personal character.

Thursday, July 29, 2004

8:00 a.m. - 11:45 a.m. (Continuation)

#### **Ethical Considerations for Law Enforcement Practitioners (Continued)**

*ITC 221*

Presenter: Bryan A Courtney, MO Regional Community Policing Institute

Facilitator: Ramona Finley

#### **Industrial Electrical Technology**

Wednesday, July 28, 2004

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

#### **DeviceNet Media**

*ITC 200*

Presenter: Pete Phillips, SMC Electric

Facilitator: Abe Kropp

Demonstrations of DeviceNet Media with sensors, distributed I/O and flex drives

## Service Cluster (Continued)

### Industrial Electrical Technology (Continued)

Wednesday, July 28, 2004 (Continued)

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

#### **Safety Light Curtain**

*ITC 207*

Presenter: Mike Hammerely, SMC Electric

Facilitator: Chad Cronhardt

Demonstration of Safety Light Curtain integrated with motor control operations and applications.

3:00 p.m. - 5:00 p.m. (Repeat Session)

#### **DeviceNet Media**

*ITC 200*

Presenter: Pete Phillips, SMC Electric

Facilitator: Abe Kropp

Demonstrations of DeviceNet Media with sensors, distributed I/O and flex drives

3:00 p.m. - 5:00 p.m. (Repeat Session)

#### **Safety Light Curtain**

*ITC 207*

Presenter: Mike Hammerely, SMC Electric

Facilitator: Chad Cronhardt

Demonstration of Safety Light Curtain integrated with motor control operations and applications.

Thursday, July 29, 2004

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

#### **IEET Integration - A Capstone Course as a Tool for Assessment**

*ITC 211*

Presenter: Abe Kropp, State Fair Community College

Presentation and hands-on demonstration of how students can build a working production system of a simulated workplace environment using components and equipment found in manufacturing facilities.

Limited to first 20 participants.

## Service Cluster (Continued)

### Electronics

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Working with the Basic STAMP**

*TEC 104*

Presenter: Kris Magri, Parallax

Facilitator: Bruce Clemens

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

#### **Real World Troubleshooting in an A+ Classroom**

*ITC 202*

Presenter: Charles Brooks, Marcraft Intl Inc.

Facilitator: Kelly Campbell

1:00 p.m. - 3:00 p.m. (Repeat Session)

#### **Principles of Automation**

*ITC 203 (Tentative)*

Presenter: David Kempskie, SMC International

Facilitator: Jim Posey

3:00 p.m. - 5:00 p.m.

#### **Computer Diagnostics Hardware**

*ITC 202*

Presenter: Cory Grand, Ultra-X Inc.

Facilitator: John Spear

3:00 p.m. - 5:00 p.m.

#### **Principles of Automation**

*ITC 203*

Presenter: David Kempski, SMC International

Facilitator: Jim Posey

## Service Cluster (Continued)

### Electronics (Continued)

Thursday, July 29, 2004

8:00 a.m. - 11:45 a.m. (Repeat Session)

#### **Working with the Basic STAMP**

*TEC 104*

Presenter: Kris Magri, Parallax

Facilitator: Bruce Clemens

8:00 a.m. - 9:45 a.m. (Repeat Session)

#### **Computer Diagnostics Hardware**

*ITC 202*

Presenter: Cory Grand, Ultra-X Inc.

Facilitator: John Spear

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

#### **Fiber Optic Technology**

*ITC 203*

Presenter: Mike Krause, Sprint

Facilitator: Kelly Campbell

10:00 a.m. - 11:45 a.m. (Repeat Session)

#### **Fiber Optic Technology**

*ITC 203*

Presenter: Mike Krause, Sprint

Facilitator: John Spear

1:00 p.m. - 3:00 p.m. (Repeat Session)

#### **Real World Troubleshooting in an A+ Classroom**

*ITC 202*

Presenter: Charles Brooks, Marcraft Intl Inc.

Facilitator: Kelly Campbell

## Service Cluster (Continued)

### Computer Networking

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Cable Terminations and Current Industry Standards and Trends**

*ICE 123A*

Presenter: Ken Boyd, Panduit Sales Corp.

Facilitator: Jeff Banhart

Hands-on copper and fiber terminations as well as industry trends and standards will be presented.

Thursday, July 29, 2004

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

#### **Industry Certifications**

*ICW 100A*

Presenter: Robert "Mac" McMullin, Pomeroy IT Solutions

Facilitator: Jeff Banhart

Industry certifications in the Information Technology field.

## Transportation Cluster

### Automotive Service Technology

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

#### **Chemical Gasket Technology**

*ITC 119*

Presenter: Keith Lamkins, Permatex

Facilitator: Brian Moore

## Transportation Cluster (Continued)

### Automotive Service Technology (Continued)

Wednesday, July 28, 2004 (Continued) 1:00 p.m.  
- 5:00 p.m.

#### **AC Delco New Product Information**

*ITC 115 A*

Presenter: Mark Ingram, Delcoation

Facilitator: Dennis Perkins

New product updates from AC Delco

1:00 p.m. - 5:00 p.m.

#### **Quick Component Testing**

*ITC 219*

Presenter: Jim Wilson, Auto Dynamics

Facilitator: Dennis Perkins

1:00 p.m. - 5:00 p.m.

#### **Basic Testing Roadmap/State of the Art Steering and Suspension Diagnostics**

*ITC 223*

Presenters: Bill Bowen, Carl Pruitt and David  
Stevinson, Snap-On

Basic diagnostic roadmap, starting and charging  
analysis, exhaust analysis, lab scope wave form  
interpretation, and intermittent driveability testing  
and low current ramping.

1:00 p.m. - 5:00 p.m.

#### **Integrated Vehicle Dynamics**

*ITC 222*

Presenter: Jon Neil, Ford Motor Company

Thursday, July 29, 2004

8:00 a.m. - 11:45 a.m. (Repeat Session)

#### **Chemical Gasket Technology**

*ITC 119*

Presenter: Keith Lamkins, Permatex

Facilitator: Brian Moore

## Transportation Cluster (Continued)

### Automotive Service Technology (Continued)

Thursday, July 29, 2004 (Continued)

8:00 a.m. - 11:45 a.m. (Repeat Session)

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#### **Integrated Vehicle Dynamics**

*ITC 222*

Presenter: Jon Neil, Ford Motor Company

# Transportation Cluster (Continued)

## Collision Repair Technology

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

### **Welding & Cutting Aluminum Program 1**

*ITC 209*

Presenter: Tim Gill, I-CAR Welding Instructor,  
Lex La-Ray AVTS

Facilitator: John Harden

I-CAR's Welding and Cutting Aluminum -  
Program 1. The first of three programs needed to  
obtain an I-CAR Aluminum Welding Certificate.

Thursday, July 29, 2004

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

### **Hands-On Aluminum Welding Practice**

*ITC 107 & 209*

Presenters: John Harden, Lex La-Ray AVTS and  
Don Reeves, Ozarks Technical College

Hands-on training and practice utilizing the latest  
aluminum welders from Lincoln Welders.

## Diesel

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

### **To Be Determined**

*ITC 111, 111A, 111B*

Thursday, July 29, 2004

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

### **To Be Determined**

*ITC 111, 111A, 111B*

## Small Gas Engines

Wednesday, July 28, 2004

1:00 p.m. - 5:00 p.m.

### **To Be Determined**

*ITC 119 A*

Thursday, July 29, 2004

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

### **To be Determined**

*ITC 119 A*