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

8:00 a.m. - 5:00 p.m.
Missouri ACTE Conference Registration
Springfield EXPO Center
635 St. Louis Street

Tuesday, July 27, 2004 (Continued)

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

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)

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

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
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

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

**Concrete Coloring**

*LCN 116*

Presenter: Rick Jordan, Quick Imprint

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

**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
Wednesday, July 28, 2004

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.

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.

Thursday, July 29, 2004

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

**What's an Adobe Workflow?**

*LCN 103*

Presenter: Tom Patrillo, 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.
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.

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.
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 Axcess 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.

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.
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

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.

Thursday, July 29, 2004

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

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.
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 Santularia and Vickie Fuller
Business meeting, contest revisions.

12:00 p.m.

Culinary Arts Luncheon

Hammons Center, Tower Club
Facilitator: Paul Santularia
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.

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
### 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)*

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*ITC 207*
- Presenter: Mike Hammerely, SMC Electric
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**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.

### 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
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

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.

Wednesday, July 28, 2004
1:00 p.m. - 5:00 p.m.
Chemical Gasket Technology
ITC 119
Presenter: Keith Lamkins, Permatex
Facilitator: Brian Moore
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

Transportation Cluster (Continued)

Thursday, July 29, 2004 (Continued)
8:00 a.m. - 11:45 a.m. (Repeat Session)
AC Delco New Product Information
   ITC 115 A
   Presenter: Mark Ingram, Delcoation
   Facilitator: Dennis Perkins

8:00 a.m. - 11:45 a.m. (Repeat Session)
Quick Component Testing
   ITC 219
   Presenter: Jim Wilson, Auto Dynamics
   Facilitator: Dennis Perkins

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

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