

*Celebrating*



**NATIONAL JOINT APPRENTICESHIP AND TRAINING COMMITTEE**

**MICHAEL CALLANAN, EXECUTIVE DIRECTOR**

**JULY 2014**

# NTI SPECIAL BULLETIN

## Welcome to Ann Arbor —

TECHNICAL TRAINING & ADVANCED STUDIES UPDATE	6
“I GROUP” PARTICIPANTS	8
TRADE SHOW	10
OUTSIDE LINE INDUSTRY SYMPOSIUM	13
OUTSTANDING APPRENTICE/ EMERGING LEADER GROUP	15
EVENING PRESENTATIONS	16
THOMAS & BETTS HEXFLEX CHALLENGE	17
TRAINING PARTNER APPRECIATION	18
ELECTRIC BOLT 8k/5k RUN & WALK	19
A.J. PEARSON CHARITY GOLF TOURNAMENT	20
LONESOME RIVER BAND	21
NTI: WHAT’S HAPPENING - WHEN & WHERE?	22
BLOCK PARTY: ROCKIN’ & ROLLIN’	23
NTI TOURS	24

### Airline Information

When making flight arrangements for NTI, the closest airport serving the most passenger airlines is **Detroit Metropolitan Airport (DTW)**. Located off Interstate-94 in nearby Romulus, Michigan, “Metro” is approximately about 25 miles east of Ann Arbor or about a half-hour ride by car and services Air Canada, Air Tran, American, Delta, Frontier, Southwest, Spirit, United and US Airways.

### Airport Transportation

For a complete listing of Transportation Providers, visit the [www.annarbor.org](http://www.annarbor.org).

- Golden Limousine** (734) 668-8282
- Metro Cars** (800) 456-1701
- AirRide** (734) 707-7247
- Amazing Blue Taxi** (734) 846-0007

### Car Rental Agencies

There are several on-airport agencies available including Alamo, Avis Rent-A-Car, Budget, Dollar, Enterprise, Hertz, National, and Thrifty. To see the complete information click [here](#). There are three rental agencies that are close to or located in NJATC participating hotels.

Agency	Hotel Location	Address / Phone
Avis	Located on premise of the Holiday Inn near the University of Michigan.	3600 Plymouth Rd, Ann Arbor, 48108 (734) 663-9513
Enterprise	Located a short distance from Weber’s	3880 Jackson Road, Ann Arbor, 48103 (734) 930-4900
Hertz	Located on premise of Sheraton Ann Arbor, Adjacent to Courtyard, Fairfield, Hampton Inn and Holiday Inn & Suites	3200 Boardwalk, Ann Arbor 48108 (734) 761-1176

## Taxi Service

For a complete listing, visit [www.annarbor.org](http://www.annarbor.org).

**Amazing Blue Taxi** (734) 846-0007

**Metro Cab** (734) 997-6500

## Where do I go first when I arrive in Ann Arbor?

- Check in to your hotel or dorm where you are staying. From there you can get on the Big Blue bus and head to the Trade Show. There is not sufficient parking at the Indoor Track Building for our participants, so DO NOT drive to the Trade Show.
- The Big Blue bus will also take you to Main Street in Downtown Ann Arbor each evening to dine in one of their fine eating establishments.

## What to expect when you arrive at NTI

### First Year “I Group” Participants

- Check-In at your hotel (off campus) or Dorm (on campus).
- Take the NTI shuttle to the Trade Show, located at the Indoor Track Building, South Campus. Here you will Check-In and visit our Trade Show.
  - (Check-In hours are: Saturday 9:00 a.m. – 6:00 p.m. and Sunday 8:00 a.m. – Noon)
  - (Trade Show hours are: Saturday 10:00 a.m. – 4:30 p.m. and Sunday 8:30 a.m. – Noon)
- Training Partner Appreciation Reception at Trade Show – 4:30 – 6:00 p.m.
- At Check-In, you will receive your registration packet and event guide with your classroom locations, times, and the week’s events.
- First Year “I Group” starts on Sunday at 10:00 a.m. in Mason Hall.
- Opening Ceremony begins at 5:30 p.m. on Sunday at Hill Auditorium.

## When do classes start and where are classes held?

- “I Group” classes begin at 10:00 a.m. Sunday, July 27 in Mason Hall.
  - 4<sup>th</sup> Year Participants will have a **mandatory** Graduation meeting Sunday from 8:30 to 9:30 a.m. in Angell Hall’s Auditorium A.
- C / SC will begin with lunch at 11:30 a.m. Sunday in the Michigan League. At 1:00 p.m., C / SC Group participants will go to Hill Auditorium across the Mall from the League for a special Blended Learning Session.
- “T Group” will have lunch at the Michigan League on Sunday beginning at Noon and then are encouraged to attend the special Blended Learning Session at Hill Auditorium at 1:00 p.m. “T Group” classes do not start until Monday at 7:30 a.m. unless otherwise noted. ALL “T Group” classes will be held at University of Michigan in one of four buildings. The location of your class will be listed on your schedule.
- “O Group” will have lunch at the Michigan League on Sunday beginning at 11:30 a.m. At 1:00 p.m. the “O Group” participants will go to the Modern Languages Building (MLB) Auditorium #3 (Room 1200) for their Opening Session.

- Outstanding Apprentice Graduates (OA Group) will have a 30 minute meeting Sunday at 10:00 a.m. to meet some Training Partners at the Indoor Track Building (Trade Show) – report to the Registration Office. The OA Group will have lunch at the Michigan League on Sunday beginning at Noon. The OA Group will have their first Session Sunday at 1:00 p.m. at the Modern Languages Building, Room 1 (1220). They will be recognized Sunday evening at the Opening Ceremony.

### **Are all classes being held on the Campus of the University of Michigan?**

- Yes, all Technical Training will be held at the University of Michigan. Here is the list buildings that will be used for Technical Training.
  - North Quad
  - Undergraduate Science Building (USB)
  - Rackham Building
  - Mason Hall
- **ALL** “I Group” classes will once again be in Mason Hall.

### **Where are the 300 Level Technical courses taking place and when do they start?**

- **T301 – OSHA 502**
  - University of Michigan – **USB 4151**
    - 8:00 a.m. to 5:00 p.m. Thursday (24<sup>th</sup>) & Friday (25<sup>th</sup>) & 8:00 a.m. to Noon on Saturday (26<sup>th</sup>)
- **T302 – OSHA 510**
  - University of Michigan – **USB 4152**
    - 8:00 a.m. to 5:00 p.m. Wednesday (23<sup>rd</sup>), 8:00 a.m. to 5:00 p.m. Thursday (24<sup>th</sup>) & Friday (25<sup>th</sup>) & 8:00 a.m. to 5 p.m. on Saturday (26<sup>th</sup>)
- **T303 – Coyne First Aid Instructor Training Refresher**
  - University of Michigan – **USB 4153**
    - 8:00 a.m. to 5:00 p.m. Saturday (July 26<sup>th</sup>)
- **T305 – Coyne Pediatric Basic Life Support**
  - University of Michigan – **Mason Hall 3333**
    - 8:00 a.m. to Noon Sunday (July 27<sup>th</sup>)

### **When & Where are the Special Events?**

- Trade Show
  - Saturday July 26<sup>th</sup> from 9:45 a.m. to 4:30 p.m. & Sunday July 27<sup>th</sup> from 8:30 a.m. to Noon.
  - Indoor Track Building on the South Campus of the University of Michigan
- Training Partner Appreciation Reception
  - Saturday Evening July 26<sup>th</sup> from 4:30 p.m. to 6:00 p.m.
  - Indoor Track Building on the South Campus of the University of Michigan

- Opening Ceremony
  - Sunday Evening July 27<sup>th</sup> at 5:30 p.m.
  - Hill Auditorium on the Central Campus of the University of Michigan
- Welcome Reception
  - Sunday Evening July 27<sup>th</sup> at 6:45 p.m. with the Lonesome River Band
  - Ingall's Mall on the Central Campus of the University of Michigan
- Ann Arbor Block Party
  - Wednesday Evening July 30<sup>th</sup> from 6:00 p.m. to 10:00 p.m.
  - Main Street in Downtown Ann Arbor
- Graduation
  - Thursday Evening July 31<sup>st</sup> at 6:00 p.m.
  - Hill Auditorium on the Central Campus of the University of Michigan

### **Does NTI provide transportation from Hotels to Campus for Classes?**

Yes, if you are staying at one of these hotels:

- **South Campus (Briarwood Area) Bus Stop in front of Sheraton Ann Arbor for the following hotels:**
  - Sheraton Ann Arbor
  - Fairfield Inn by Marriott
  - Courtyard by Marriott
  - Holiday Inn Hotel & Suites
  - Hampton Inn South
  - Red Roof Inn
  - Comfort Inn & Suites
- **South Campus (Briarwood Mall Area) Bus Stop in front of Kensington Court for the following hotels**
  - Kensington Court
  - Holiday Inn Express
- **North Campus Bus stop will be in front of the Holiday Inn**
  - Holiday Inn North
- **West Bus stop will be in front of Weber's Restaurant**
  - Weber's Inn

## Reminder

- Laptops (iPads, Tablets) will not be needed on Sunday for the C/SC or O Group opening sessions.

## Group Agenda Links

The links for the agendas of each Group are below:

- **“C/SC Group”**  
<http://nti.njatc.org/Training/CGroup/CGroupAgenda.aspx>
- **“O Group”**  
<http://nti.njatc.org/Training/OGroup/OGroup2014Agenda.aspx>
- **Women in Construction Symposium**  
<http://nti.njatc.org/Training/WomeninConstruction.aspx>
- **Office Manager Group**  
<http://nti.njatc.org/Training/OfficeManagerGroup.aspx>
- **Outside Line Industry Symposium**  
<http://nti.njatc.org/Training/OutsideIndustrySymposium.aspx>



### ***Top 10 Things You Must Know About Blended Learning!***

Join our LMS Team of Bill Ball, Jim Boyd and Marty Riesberg as they emulate David Letterman with a Top 10 List detailing the most important things you need to know about our Inside Blended Learning Program. The C Group Opening Session on Sunday, July 27 from 1:00-2:30 p.m. will be in Hill Auditorium. This session will include all of I Group participants and we encourage any T Group participants who want to join the session to attend. The Outside Line I Group participants will join the O Group in the Modern Languages Building for their Opening Session. All I Group will then go back to Mason Hall or their Sunday afternoon classrooms (see Event Guide) after these sessions are completed.

## Technical Training and Advanced Studies Update

Please review the chart below. This includes all Technical Training and Advanced Studies cancellations and current enrollment. If you or one of your instructors were enrolled in one of the canceled classes, please choose an alternate course from those still open and not full. Once you have selected the new class, please email your name and the Course you would like to attend to [tims@njatc.org](mailto:tims@njatc.org). You will get a reply back confirming that you have been added to the new class.

COURSE #	COURSE TITLE	MIN	MAX	ENROLLED	STATUS
I-72-1	Course 72 - Current Technology in Instructional Delivery Part 1	0	0	0	Canceled
I-72-2	Course 72 - Current Technology in Instructional Delivery Part 2	6	16	5	Open
I-74-1	Course 74 - Blended Learning/Train the Blended Learning Trainer Part 1	6	16	16	Full
I-74-2	Course 74 - Blended Learning/Train the Blended Learning Trainer Part 2	6	16	14	Open
I-76-1	Course 76 - Teaching and Learning in Apprenticeship Training	0	0	0	Canceled
T-101	AC and DC Theory Lessons, How to Teach NJATC - AM	8	20	16	Open
T-101	AC and DC Theory Lessons, How to Teach NJATC - PM	8	24	13	Open
T-102	Building Automation: Control Devices and Applications TTT - AM	10	20	15	Open
T-102	Building Automation: Control Devices and Applications TTT - PM	10	20	13	Open
T-103	Codeology Course, How to Teach NJATC - AM	10	35	15	Open
T-103	Codeology Course, How to Teach NJATC - PM	10	35	9	Open
T-104	Conduit Fabrication, How to Teach NJATC - AM	0	0	0	Canceled
T-104	Conduit Fabrication, How to Teach NJATC - PM	0	0	0	Canceled
T-106	Electric Theory Simulator for DC Theory Course - PM	10	20	7	Open
T-106	Electric Theory Simulator for DC Theory Course - AM	10	20	16	Open
T-108	First Aid Basic Life Support TTT (Coyne First Aid) - AM	8	20	10	Open
T-108	First Aid Basic Life Support - TTT (Coyne First Aid) - PM	8	20	12	Open
T-109	Foremanship Concepts for Electrical Projects - AM	8	20	8	Open
T-109	Foremanship Concepts for Electrical Projects - PM	8	20	11	Open
T-110	Foremanship Concepts for Telecommunications Projects - AM	0	0	0	Canceled
T-110	Foremanship Concepts for Telecommunications Projects - PM	0	0	0	Canceled
T-112	IMSA Traffic Signal Technician Level I - AM	0	0	0	Canceled
T-112	IMSA Traffic Signal Technician Level I - PM	0	0	0	Canceled
T-114	IMSA Work Zone Temporary Traffic Control - AM	0	0	0	Canceled
T-114	IMSA Work Zone Temporary Traffic Control - PM	0	0	0	Canceled
T-115	Instrumentation and Calibration Basics-Using the Fluke-744 Hart Calibrator - AM	8	16	11	Open
T-115	Instrumentation and Calibration Basics-Using the Fluke-744 Hart Calibrator - PM	8	16	7	Open
T-127	Outside Curriculum Transformer Simulator (3Dnernet) - AM	10	20	9	Open
T-127	Outside Curriculum Transformer Simulator (3Dnernet) - PM	10	20	13	Open
T-129	Overcurrent Protection - Codes & Practices 3, How to Teach NJATC - AM	15	30	10	Open

COURSE #	COURSE TITLE	MIN	MAX	ENROLLED	STATUS
T-129	Overcurrent Protection - Codes & Practices 3, How to Teach NJATC - PM	15	30	10	Open
T-131	Power Quality, How to Teach - AM	8	20	12	Open
T-131	Power Quality, How to Teach - PM	8	20	5	Open
T-137	Rigging Curriculum, How to Teach NJATC - AM	8	16	15	Open
T-137	Rigging Curriculum, How to Teach NJATC - PM	8	16	6	Open
T-138	Rigger/Signal Person Qualification Course for Outside TTT - AM	10	20	6	Open
T-138	Rigger/Signal Person Qualification Course for Outside TTT - PM	10	20	14	Open
T-139	Security Systems Course – Hands-on Training for Instructors - AM	6	12	7	Open
T-140	Access Control Systems Course, How to Teach PM	6	12	5	Open
T-142	Significant Changes to the 2014 NEC TTT - AM	15	25	19	Open
T-142	Significant Changes to the 2014 NEC TTT - PM	15	25	17	Open
T-145	Test Instruments, How to Teach (ATP) - AM	10	20	18	Open
T-145	Test Instruments, How to Teach (ATP) - PM	10	20	16	Open
T-147	Medium Voltage Power Cable & Cable Splicing - AM	6	24	5	Open
T-147	Medium Voltage Power Cable and Cable Splicing (Prysmian) - PM	6	24	15	Open
T-153	Transformers and Motor Theory Lessons, How to Teach NJATC - AM	8	16	14	Open
T-153	Transformers and Motor Theory, How to Teach NJATC - PM	8	16	15	Open
T-155	AC Drive Fundamentals - Applications and Programming (Schneider Electric) - AM	0	0	0	Canceled
T-155	AC Drive Fundamentals - Applications and Programming (Schneider Electric) - PM	0	0	0	Canceled
T-157	AMP ACT I - Installing Premises Cabling Systems - AM	6	15	8	Open
T-157	AMP ACT I - Installing Premises Cabling Systems - PM	6	15	5	Open
T-159	AMP ACT II - Certifying and Troubleshooting Premises Cabling Systems - AM	0	0	0	Canceled
T-159	AMP ACT II - Certifying and Troubleshooting Premises Cabling Systems - PM	0	0	0	Canceled
T-165	Digital Video Production for Training Effectiveness (ATP) - AM	8	20	12	Open
T-165	Digital Video Production for Training Effectiveness (ATP) - PM	8	20	4	Open
T-166	GPRO Fundamentals of Building Green + Electrical Systems + Construction Management - AM	0	0	0	Canceled
T-166	GPRO Fundamentals of Building Green + Electrical Systems + Construction Management - PM	8	35	10	Open
T-167	Hands-on lab for AC Theory, Load, Energy Studies & Power Quality - AM	6	18	18	Full
T-167	Hands-on lab for AC Theory, Load, Energy Studies & Power Quality - PM	6	18	17	Open
T-185	C-Group Sessions (Morning Only)	0	50	2	Open
T-185	C-Group Sessions (Afternoon Only)	0	50	4	Open
T-201	Cable Splicing - Module I, How to Teach	0	0	0	Canceled
T-203	Cable Splicing – Module II, How to Teach NJATC	0	0	0	Canceled
T-206	Electric Vehicle Infrastructure Training Program Phase III	0	0	0	Canceled
T-207	Distribution Transformer Training	0	0	0	Canceled
T-208	Electrical Safety-Related Work Practices Based on 70E, How to Teach the NJATC	15	35	24	Open
T-209	Fire Alarm Systems Introduction (Hands-On), How to Teach NJATC	10	16	15	Open



COURSE #	COURSE TITLE	MIN	MAX	ENROLLED	STATUS
T-210	Grounding & Bonding Course, How to Teach NJATC	0	0	0	Canceled
T-211	Instrumentation, How to Teach the NJATC (Fundamentals of)	8	12	9	Open
T-213	OSHA 500	15	25	16	Open
T-215	Photovoltaic Systems, How to Teach the NJATC Course (Installing)	0	0	0	Canceled
T-221	Transformers Course (For Inside Wireman), How to Teach	0	0	0	Canceled
T-223	AMP ACT I – Installing Premises Cabling Systems TTT	3	6	3	Open
T-225	Arc Welding Principles, Processes, and Applications (Lincoln Electric)	0	0	0	Canceled
T-229	Understanding AC Theory Course	0	0	0	Canceled
T-231	Understanding DC Theory Course	0	0	0	Canceled
T-301	OSHA 502	15	30	27	Open
T-302	OSHA 510 - Occupational Safety and Health Standards for Construction	15	35	11	Open
T-303	Coyne Instructor Trainer Refresher	3	25	25	Full
T-305	Coyne Pediatric Basic Life Support/First Aid	3	20	4	Open
T-309	AMP ACT I Instructor Update (TE Connectivity)	0	0	0	Canceled
T-311	Craft Certification Performance Evaluation Training	10	20	7	Open

## NTI 2014

### “I GROUP” PARTICIPANTS

#### *Pre-NTI Assignment Reminder*

All 2014 Second, Third, and Fourth Year “I Group” participants **MUST** complete a mandatory assignment before their arrival at NTI in Ann Arbor, MI. All Instructors are to bring their assignments with them to the first day of class on Sunday, July 27<sup>th</sup>. These assignments can be downloaded from the NTI website at <http://nti.njatec.org/Training/IGroup/Portfolio.aspx>. Be sure to click on the Pre-NTI Assignment link that corresponds with the “I Group” Year you will be attending at NTI.

#### *Portfolio Assignment Reminder*

All “I Group” participants who attended the 2013 NTI were given Portfolio assignments at the beginning of the week and should have been working on these assignments throughout the year. NTI 2014 is quickly approaching and all “I Group” participants are required to bring their Portfolio notebooks along with their completed assignments to NTI this year. On Sunday, July 27<sup>th</sup> at 10:00 a.m. your first “I Group” session will start. Your Portfolio session will also be on Sunday at 4:00 p.m. At this time, you will discuss your Portfolio assignments with your “I Group” peers and Professor. All 2014 First Year Participants will be introduced to the Portfolio on Sunday at 4:00 p.m. First Year Participants **DO NOT** have assignments that need to be completed before arriving at NTI.

All Portfolio assignments and templates can be downloaded off of the NTI website at <http://nti.njatec.org/Training/IGroup/Portfolio.aspx>. Be sure to complete the assignments from the “I Group” Year that you attended in 2013.



We are asking ALL Training Directors to assist the NJATC in evaluating your Instructors with their Portfolio. Please take time to sit down with your Instructors to make sure that they are completing the assignments that were given to them at NTI 2013. We recommend that you familiarize yourself with the Portfolio and the assignments that were given to your Instructors before you meet with them. You may have some ideas that would benefit your Instructors and their Portfolios. Also, please remind each returning Instructor to bring their Portfolio to NTI in Ann Arbor.

### **What's New at NTI?**

- All "I Group" Participants will be eating lunch together in the Michigan Union on Sunday at Noon. Lunch will be served at the Michigan Union Monday, Tuesday, Thursday and Friday at 11:25 a.m.

### **Things to Remember:**

- There is NO parking on campus. Everyone will be shuttled from their hotel to campus. If you drive to Campus, you will be responsible for paying for your own parking.
- Thursday after Graduation the NJATC will be providing a "Dollars for Dining" \$25 voucher for everyone in attendance at Graduation.
- The Trade Show will open on Saturday, July 26<sup>th</sup> from 10:00 a.m. – 6:00 p.m. and again on Sunday, July 27<sup>th</sup> from 8:30 a.m. – Noon at the Indoor Track and Field Building.
- Participant Check-In will be at the Indoor Track and Field Building on Saturday, July 26<sup>th</sup> from 9:00 a.m. – 6:00 p.m. and again on Sunday, July 27<sup>th</sup> from 8:00 a.m. – Noon.
- All Fourth Year Graduates will have a meeting on Sunday, July 27<sup>th</sup> from 8:30 – 9:30 a.m. in Angell Hall's Auditorium A.
- All "I Group" classes will begin on Sunday, July 27<sup>th</sup> at 10:00 a.m.
- Opening Ceremony will begin at 5:30 p.m. on Sunday, July 27<sup>th</sup>.
- Monday – Friday all classes will start at 7:30 a.m.
- Graduation will begin at 6:00 p.m. on Thursday, July 31<sup>st</sup>.
- Friday, August 1<sup>st</sup> classes will end at 3:00 p.m. Please keep in mind when making flight reservations that the airport is about 40 minutes from campus.
- **Any participant that leaves before 3:00 p.m. on Friday will NOT get credit for the week.**
- Bring your Pre-NTI Assignment and Portfolio with you to Ann Arbor.
- **DO NOT** book air travel before 5:30 p.m. Friday

**SALISBURY**

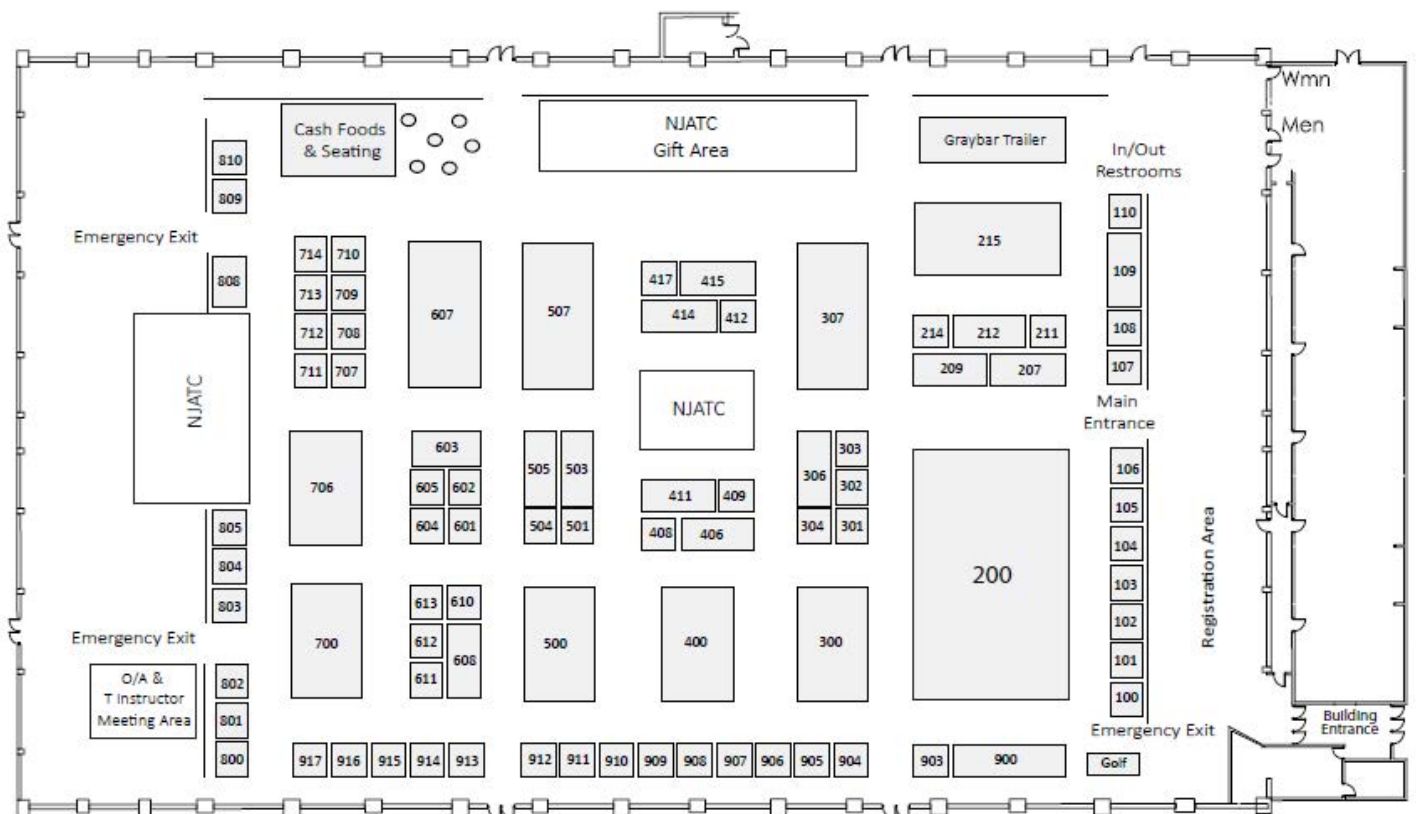
by Honeywell

*Official Sponsor of the 2014 NTI Trade Show*

## NATIONAL TRAINING INSTITUTE TRADE SHOW JULY 26-27, 2014

This is the place to see the latest information on the hottest topics in the Electrical Industry. You will be able to meet the Training Partners who are producing the tools, equipment and other training materials that are needed to ensure the work in the field are meeting the standards and quality workmanship of the IBEW members and NECA contractors.

- NTI Registration/Check-In opens at 9:00 a.m. on Saturday, July 26<sup>th</sup>.
- The Ribbon Cutting Ceremony will begin at 9:45 a.m.
- Show hours are 10:00 a.m. – 4:30 p.m. on Saturday and 8:30 a.m. – Noon on Sunday
- Regular NTI transportation will begin on Saturday at 9:00 a.m. from the official NTI bus stops located in the Briarwood Area, Central Campus, North Campus and West Campus.
- Don't forget between 4:30 p.m. – 6:00 p.m. on Saturday, the NJATC will host a Training Partner Appreciation Reception on the Trade Show Floor. This time is reserved for all to show appreciation to our NJATC Training Partners for their support they give to our programs.



*University of Michigan Indoor Track and Field Building  
1150 S State Street, South Campus*

2014 NTI Training Partner	Location
3DINTERNET	106
3M Company	207
Alexander Publications	711
American Technical Publishers	411
Ann Arbor Hospitality	800
Arlington	604
AFC Cable Systems	612
BMA Media Group	611
Buckingham Mfg	706
BURNDY	707
C & L Enterprises	907
Channelock, Inc	714
Contractors Choice Inc	610
Copper Development Assn	608
Coyne First Aid, Inc.	214
Eaton Bussmann Business	414
Electric Vehicle Infrastructure Training Program	810
ERICO	900
Fiber Optic Association	709
FireLite Alarms	613
FLIR Systems	301
Fluke Corporation	603
General Cable - STABILOY Brand/Alcan Cable Systems	109
Get The Point	915
Graybar Electric Co., Inc.	215
Greenlee, A Textron Company	400
Grimes Insurance Agency	602
Hampden Engineering Corporation	804
Harger Lightning & Grounding	503
Hubbell Power Systems	906
IBEW LU 252/Ann Arbor JATC	905
IBEWHourPower.com	304
IDEAL INDUSTRIES, INC.	507
ILSCO	504
Klein Tools, Inc.	209
L.H. Dottie Company	712
Lab-Volt Systems, Inc.	408
Legrand	607

2014 NTI Training Partner	Location
Leviton Manufacturing Company	406
Lincoln Electric Company	103
Lutron Electronics, Inc.	409
M Den	916
MEGGER	302
Milwaukee Electric Tool	307
National Cable Splicing Certification Board	913
National Electrical Contractors Association	708
National Fire Protection Association	501
NJATC FR Apparel	803
North Line Utilities	700
PEARSON	107
Platt Electric Supply	102
PLC Pacific Laser Systems	417
Prysmian Group	505
Rack-A-Tiers Mfg. Inc.	601
Salisbury by Honeywell	500
Schneider Electric	212
Simutech Multimedia Inc	605
Solon Manufacturing Company	211
Southwire Company	200
S-P Products, Inc	911
Steel Tube Institute	303
TE Connectivity - Broadband Network Solutions	910
TE Connectivity - Energy	909
TenCate Protective Fabrics	415
The Aluminum Association	108
Thomas & Betts Corporation	300
Tyndale Company, Inc.	710
Underwriters Laboratories, LLC	412
Union Insurance Group	105
Westex, Inc	306
Wiley	908
Women in Construction	713

# **SALISBURY**

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*Official Sponsor of the 2014 NTI Trade Show*

# Outside Line Industry Symposium

*Registering is simple...*

Follow this link: <http://register.njatc.org/> if you do not have an account.

1. Click on the clipboard under the description for the *Outside Line Industry Symposium*.

Code :	OIS
Name :	Outside Industry Symposium
Description :	Outside Industry Symposium



2. On the next screen click on the link that says “No Account? Register Yourself.”

Login to the NTI Online Registration



User Name :

Password :

Login

• No account? [Register Yourself](#)

3. Enter your personal information and Click the “Save & Next” Button.

4. On the bottom left, click the check box  beside *Outside Industry Symposium*.

5. Click *Register*.

6. Click YES beside “*Do you want to approve this registration?*”

7. Enter *Credit Card information* and click on “*Submit Payment Information*”

8. *Congratulations!* You are now registered

If you have any issues or problems registering, please contact Tim Strickland at [tims@njatc.org](mailto:tims@njatc.org).

# NTI 2014 Outside Line Industry Symposium

## *Building A Stronger Outside Line Construction Industry*

### **Tuesday, July 29, 2014**

- 8:00 a.m. – 8:15 a.m. Welcoming Remarks – Michael Callanan
- 8:15 a.m. – 9:30 a.m. Issues Dealing with the Electrica Grid - Jim Hunter, IBEW Director of Utility Department
- 9:30 a.m. – 9:45 a.m. Electrical Industry Crane Operator Certification Update – Palmer Hickman & Jason Iannelli
- 9:45 a.m. – 10:00 a.m. Break**
- 10:00 a.m. – 11:00 a.m. OSHA T & D Partnership/OSHA Update, Jim Tomaseski, IBEW Director of Safety (retired)
- 11:00 a.m. – 11:45 a.m. Working for Utilities – What You Need to Know to be Successful  
Panel: Kevin Durkin, Dennis Anthony, Thomas Van Hoon, TBA
- 11:45 p.m. – 12:45 p.m. Lunch**
- 12:45 p.m. – 2:00 p.m. Book Smart, Street Stupid – Gar Trusley, Gar Trusley and Associates  
*Sponsored by Alexander Publications*
- 2:00 p.m. – 2:45p.m. Personal Protective Grounding Practices – James McGowan, Quanta Services Director of Safety
- 2:45 p.m. – 3:00 p.m. Break**
- 3:00 p.m. – 5:00 p.m. Line Construction in Today’s Environment: Hurdles Every Contractor Needs to Overcome / What Makes a Good Job Roundtable  
Panel: Bill Green, Jamie Atkins, Rob Zellwiger, Jules Weaver, Mike Troutman, Dan Francis, Garrett Fortin, TBA
- 4:30 - 4:45 p.m. Closing Remarks – Michael Callanan

## 2014 National Training Institute Outstanding Apprentice / Emerging Leader Group Agenda

We are less than 30 days from the annual National Training Institute. This year is our 25<sup>th</sup> Anniversary and we are excited about the experience our Staff and Training Partners have created for this special milestone. You only turn 25 once and this will be an NTI that will NOT be forgotten. Beyond the graduating instructors and more than 1200 participants that will be walking the Campus of the University of Michigan, we have invested significantly in the Outstanding Apprentice (OA) Group experience. We have the largest group of Outstanding Apprentices committed to attend. We began reconstructing the Outstanding Apprentice curriculum over 24 months ago. The feedback from last year's OA Group was overwhelmingly positive and this year we plan on taking this OA Group experience to the next level. Click [here](#) to view the video and to download the agenda.

If you have an Outstanding Apprentice, we seriously want you to consider sending them to NTI this year. We also have expanded the scope and audience of the OA Group to include the Emerging Leaders within your local JATC, IBEW, and NECA organizations. The 25<sup>th</sup> NTI will mark the inaugural year of the Emerging Leader (EL) Group. This new EL Group is defined beyond the Outstanding Apprentice recipients. What about the perfect attendance award winners? What about that apprentice that was just shy of being the Outstanding Apprentice, but they are worthy of being recognized and invested in as an Emerging Leader. What about the emerging leaders and Outstanding Apprentices that couldn't make NTI in years past because of funding or the economy. For these reasons we have defined this Emerging Leader Group as any apprentice that has recently turned out in 2014 *or* in the past 5 years and you feel they will, with inspiration and investment, emerge as our Industry's Next Generation of leaders. We are confident we have created a World Class, Professional and Personal Development experience for your Outstanding Apprentice and Emerging Leaders... **BECAUSE IT MATTERS!** If you are interested in sending someone or have questions about the OA and EL Groups, please contact Tim Strickland at [tstrickland@njatc.org](mailto:tstrickland@njatc.org) or at (301) 715-2347.

National Joint Apprenticeship and Training  
Committee for the Electrical Industry



### NJATC NEWS

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## NTI Evening Presentations

### Tuesday, July 29

*Each presenter will give a door prize at the end of their presentation*

#### **Eaton**

##### *Basics of Overcurrent Protection*

This session will review key considerations for 600V or less overcurrent protection for electrical systems and equipment including 2014 NEC and OSHA requirements. Topics will include types of overcurrent protective devices, ampere rating, voltage rating, interrupting rating, short-circuit current rating, component protection, selective coordination, and more.

#### **American Technical Publishers**

##### *Teaching Electric Motor Drives*

Electric motor drive (AC or variable frequency drive) installation and retrofitting are increasingly more popular as a versatile and energy-efficient solution in the industry. This hands-on training mini-course provides an overview of electric motor drives and focuses on practical, hands-on techniques for teaching fundamental operating principles, programming, and troubleshooting on common industrial equipment. Many activities addressing power monitoring, retrofitting, and test instruments will be covered. Participants will leave with numerous instructional tips for effectively teaching electric motor drives.

#### **Southwire**

##### *How to Make Feeder and Branch Wire Installation Safer and Easier*

This session will introduce you to Southwire apps, excel files to stay NEC compliant and discussing videos of these installations.

#### **Fluke Corporation**

##### *Hart Calibration, Instrumentation Maintenance and the Fluke-754 Calibrator*

The Fluke-744 and 754 calibrators are utilized in the current NTI and JATC Instrumentation Curriculum. This hands-on session is an abbreviated introduction of the calibrator and its functions utilized in the classroom. This class covers a portion of the material covered in T115 and can be viewed as a refresher course for those that took T-115 previously and wish to reinforce their knowledge of this calibration tool and calibration activities

#### **3M Company**

##### *Connecting and Insulating*

Focus will be on design and application of spring connectors, solder less terminals, and tapes. The class will be taught by a presentation and hands on.



# *Thomas & Betts* HEXFLEX CHALLENGE *JATC vs. JATC*



## Description

Each JATC Training Center will compete against other JATC Training Centers to win a 6-Ton Lithium-Ion Battery-Powered Crimping Tool and Die Set for their center.

A full description of the challenge will be provided at the Thomas & Betts trade show booth (#300).

## Requirements to win the 6-Ton Crimping Tool and Die Set:

1. Be sure to “check-in” before participating in the challenge in order to meet all requirements.
2. All times must be recorded during trade show hours.
3. To be qualified for the grand prize, the sum of the best (fastest) two times will be recorded for each JATC Training Center competing.
  - a. There is not a restriction to the number of participants competing from each JATC Training Center.
4. Each participant will be rewarded a Special Edition 25th NTI “Hex Flex Challenge” T-Shirt.
5. The JATC Training Center with the best (fastest) recorded times by 11:00 on Sunday July 27<sup>th</sup> will be notified

**(Prize will be available for pick up after 11:00)**



# Training Partner

# Appreciation

**STOP BY ...  
SHAKE A HAND ...  
TAKE A SIP  
AND ...  
SHOW YOUR  
SUPPORT  
DURING THE 25<sup>TH</sup>  
ANNUAL NTI  
CELEBRATION**

**Saturday, July 26<sup>th</sup>  
Trade Show Floor  
4:30 p.m. – 6:00 p.m.**

As previously announced, the *2014 National Training Institute* will be celebrating its 25<sup>th</sup> Anniversary. We can all agree that the NJATC Training Partners have had a very positive affect on all of our programs.

The NJATC is requesting all AJATC/JATCs to please send information and good quality photos (in electronic format, in focus, etc.) with a description and/or comments of how your experiences with the NJATC Training Partners has improved your training programs. If a Training Partner representative is visiting your program in the near future, please also include a photo with the representative with any product and their name.

Photos of your JATCs curriculum support and lab equipment donations acknowledging the NJATC Training Partners will be developed into a video of recognition to be presented at the Training Partner Appreciation Event.

Please recognize our industry friends “NJATC Training Partners” by sending the information to NJATC Director Terry Coleman at [tcoleman@njatc.org](mailto:tcoleman@njatc.org). File submission should be kept under 10Mb per email (it is all right to send multiple emails). Deadline is July 11, 2014



*Recognizing our industry friends—the NJATC Training Partners*

4th  
Annual

# ELECTRIC Bolt

Benefiting Ann Arbor Active Against ALS



## 8K/5K Run & Walk

**FEEL GOOD ABOUT YOURSELF EVEN AFTER THE ENDORPHINS WEAR OFF.**

### DATE AND TIME

This fun run offers a course challenging enough for the serious runner as well as the novice runner. A separate course is available for walkers. Come out, enjoy the time with your fellow NTI Participants.

SUNDAY | JULY 27 | 7:15 AM

### LOCATION

The races start in Riverside Park near Canal and Wall Streets, continues through Argo and Bandemer Parks, and eventually finishes in Kerrytown at Wheeler Park. The main race is an 8K (4.97 miles), but a 5K run and 5K walk are also options!

RIVERSIDE PARK | ANN ARBOR

### REGISTRATION

Registration is currently on-going. You can register in advance, raise funds for ALS, share your running insights with us via Facebook.

[WWW.FACEBOOK.COM/NTINJATC](http://WWW.FACEBOOK.COM/NTINJATC)



# THE A.J. PEARSON CHARITY GOLF TOURNAMENT

The Polo Fields ~ Washtenaw

Wednesday, July 30, 2014



Have you scheduled your Wednesday round of golf? It's not too late. Just visit <https://golf.njatc.org/Login.aspx> or stop by the Golf Counter on the Trade Show Floor.

**Morning Tee Time:**

7:30 a.m.

**Afternoon Tee Time:**

1:30 p.m.

Donations from the A.J. Pearson  
Charity Golf Tournament go to  
support...





# Lonesome River Band



Performing at the Welcome Reception on Sunday, July 27<sup>th</sup> on Ingalls Mall

Lonesome River Band just celebrated their 30<sup>th</sup> Anniversary with three 2012 album releases – *CHRONOLOGY Volumes One – Three* as they continue their reputation as one of the most respected names in Bluegrass music. Virginia Country Music Hall of Famer and multi-award winning banjo picker, Sammy Shelor (banjo & harmony vocals) has put together a wealth of talent that includes: Brandon Rickman (lead & harmony vocals and guitar); Mike Hartgrove (fiddle); Barry Reed (bass & harmony vocals); and Randy Jones (lead, harmony vocals & mandolin) all performing the distinctive Lonesome River Band sound fans love.



# National Training Institute

## PARTICIPANT CHECK-IN

*Track and Field Building, South Campus*

Saturday, July 26 9:00 am – 6:00 pm

Sunday, July 27 8:00 am – Noon

## TRADE SHOW

*Track and Field Building, South Campus*

Saturday, July 26 10:00 am – 4:30 pm

Sunday, July 27 8:30 am – Noon

## TRAINING PARTNER APPRECIATION

*Track and Field Building, South Campus*

Saturday, July 26 4:30 pm – 6:00 pm

## I GROUP BEGINS

*Mason Hall, Central Campus*

Sunday, July 27 10:00 am – 5:00 pm

## C / SC GROUPS BEGIN

*Hill Auditorium, Central Campus*

Sunday, July 27 1:00 pm – 5:00 pm

***Just bring yourself – laptops, portfolios, etc. are NOT needed***

## GROUP PHOTO/OPENING CEREMONY

*Hill Auditorium, Central Campus*

Sunday, July 27 5:30 pm – 7:00pm

## TD/ATD RECEPTION

*Crisler Center, South Campus*

Monday, July 28 5:15 pm – 6:45 pm

## EVENING TECHNICAL SESSIONS

*Central Campus*

Tuesday, July 29 7:00 pm – 10:00 pm

## GOLF TOURNAMENT

*Polo Fields – Washtenaw, Packard Road*

Wednesday, July 30

7:30 am – Morning Tee Time

1:30 pm – Afternoon Tee Time

## BLOCK PARTY

*Main Street, Ann Arbor*

Wednesday, July 30 6:00 pm – 10:00 pm

## GRADUATION

*Hill Auditorium, Central Campus*

Thursday, July 31 6:00 pm – 7:00 pm

## ALL CLASSES END

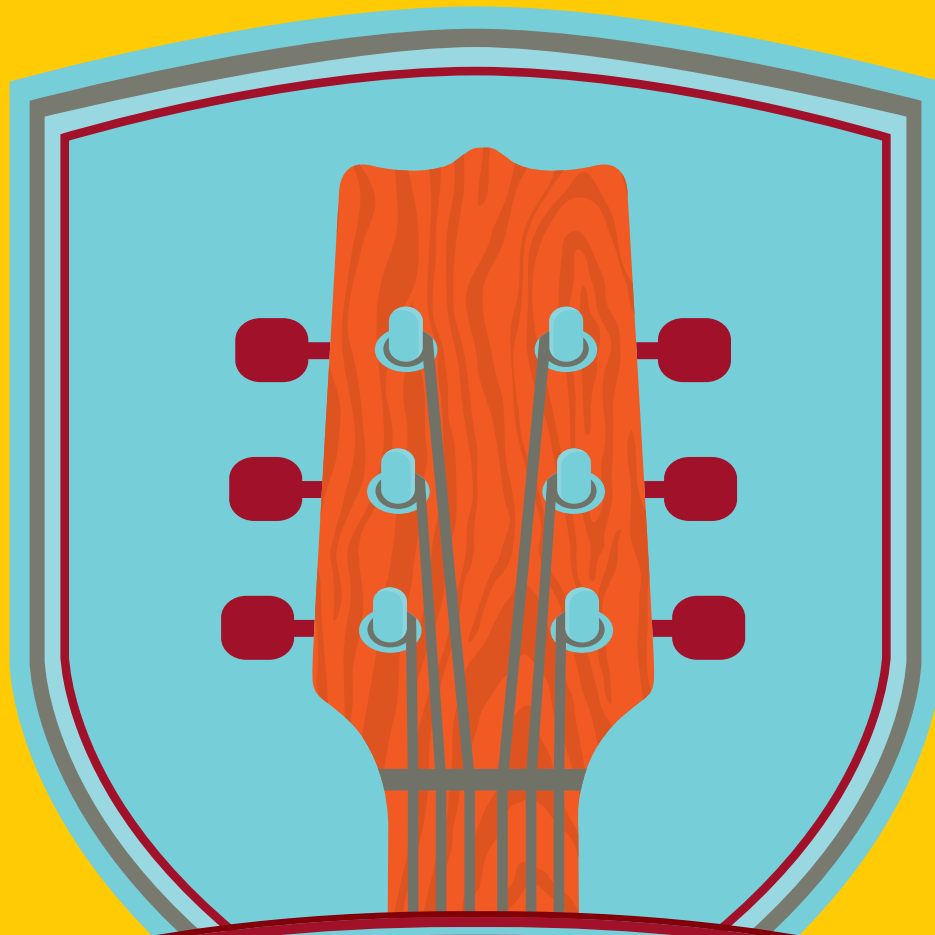
Friday, August 1 3:00 pm







**WEDNESDAY, JULY 30, 6-10 PM**  
**MAIN STREET – DOWNTOWN ANN ARBOR**



**ROCKIN' & ROLLIN'**



**ANN ARBOR**  
Area Convention and Visitors Bureau

**CLASSIC CARS AND THE MICHIGAN INTERNATIONAL SPEEDWAY PACE CAR**  
**MUSIC BY GEORGE BEDARD AND THE KINGPINS**  
**DINING IN THE STREETS**

The NJATC Has Partnered with Golden International to offer Tours during NTI. Advanced Registration is available, visit <http://nti.njatc.org/GeneralInformation/TourInformation.aspx>

Monday, July 28<sup>th</sup>

Shopping at Tanger Outlet Mall - Howell

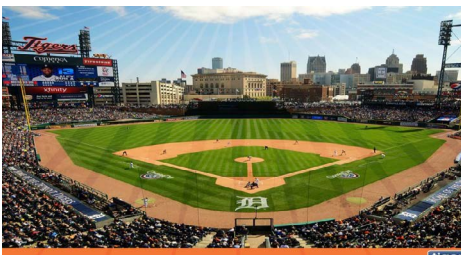


A self-directed shopping trip to Tanger Outlet Mall - featuring over 80 stores like Aeropostale, Carter's, Coach, Eddie Bauer, Nike, Nine West, Polo Ralph Lauren, Under Armour and more.

**Tour Includes:** Self-directed shopping day and transportation.  
**Depart:** 9:00am      **Return:** 4:00pm  
 \$35.00 per person      \$10 children (5-16)  
 Minimum 10 people

Tuesday, July 29<sup>th</sup>

Take Me Out to the Ballpark - Tigers Game



Nothing is quite as exciting as a Division Match-up. Detroit Tigers take on visiting Central Division rivals—The Chicago White Sox. Seats are excellent! Atmosphere superb. Let Golden take you out to the ballgame!

**Tour Includes:** Ticket to a major league baseball game, a voucher for the purchase of a hotdog, soda and bag of chips, and transportation.  
**Depart:** 5:30pm      **Return:** 11:00pm (Approximately)  
 \$65.00 per person      Minimum 50 people

Wednesday, July 30<sup>th</sup>

Ford Rouge Plant and Automobile Hall of Fame



**Ford Rouge Factory Tour** is a self-guided five part experience. The Rouge is home to legendary products such as the V-8, the 1949 Ford Mustang, the original Ford Thunderbird, and the only place where the Ford Mustang has been produced for nearly 40 years.

**Automotive Hall of Fame Museum** features the achievements of more than 200 automotive greats chronicles through visual and interactive exhibits, automobiles and authentic artifacts.

**Tour Includes:** Admission, semi-guided tour of the Ford Rouge Plant, and a self-guided tour of the Automotive Hall of Fame, and transportation.

**Depart:** 12:30pm      **Return:** 5:00pm  
 \$50.00 per person      Minimum 40 people (combined with other Ford Property tours)

Wednesday, July 30<sup>th</sup>  
Experience the Grand Prix



If you have the need for speed, this is the trip for you. Challenge your friends to a high speed race. The road-style track measures 1,100 feet and is an adrenaline charged combination of fast-sweeping sections mixed with tight technical corners. The race-inspired karts are powerful and output no smell, produce minimal noise and are capable of speeds up to 40 mph. Karts have fully adjustable headrests, seats and pedals.

**Tour Includes:** Qualifying race, final race, awards, live interviews, time sheet, exclusive track access and transportation.

**Depart:** 12:30pm  
 \$75.00 per person

**Return:** 4:30pm  
 Minimum 20 people

The Henry Ford Museum or Greenfield Village



Henry Ford Museum is the ultimate place to explore what Americans—past and present have imagined and invented—a remarkable destination that brings American ideas and innovations to life. **Greenfield Village** takes you back to the sights, sounds and sensations of America’s past. See authentic, historic structures like Thomas Edison’s laboratory and more.

**Tour Includes:** Admission, a self-guided tour of either Greenfield Village or The Henry Ford Museum, and transportation.

**Depart:** 12:30pm  
**Museum only:** \$45.00 per person  
 Minimum 40 people (combined)

**Return:** 5:00pm  
**Village only:** \$50.00 per person

Michigan Microbrewery Tour



Stops at some of Michigan’s best Microbreweries including Traffic Jam and Snug, The Detroit Beer Company, and Atwater Brewing. Enjoy beer tasting and food at each location. Tour led by a knowledgeable beer expert. A crowd-pleasing tour!

**Tour Includes:** stops at several of the areas Microbreweries, beer samples, food and transportation.

**Depart:** 12:30pm  
 \$65.00 per person

**Return:** 5:00pm  
 Minimum 25 people

Michigan Winery Tour



Back by popular demand! We will visit the Lone Oak Estate Vineyard to taste amazing wine then head to the Sandhill Crane Winery for a fresh café lunch with wine pairings. The atmosphere of the wineries compliment the great taste of the Michigan wines. This tour should not be missed!

**Tour Includes:** Lunch and wine pairings, wine tastings and transportation.

**Depart:** 12:30pm  
 \$65.00 person

**Return:** 5:00pm  
 Minimum 20 people

## Wednesday, July 30<sup>th</sup>

### Motown Museum and Lunch



The Motown Museum is one of the gems of Detroit! Motown made its mark not just on the Music Industry, but society at large, with a sound that has become one of the most significant musical accomplishments and 20<sup>th</sup> Century success stories. Diana Ross & the Supremes, Smokey Robinson & the Miracles, Stevie Wonder, The Temptations, The Four Tops, Lionel Richie and more brought a country together—touching people of all ages. The guided tour of Detroit focuses on the important role labor played in the history of Detroit. Stops include: Labor Monument at Hart Plaza, the UAW Training Center Tour, Walter Reuther Library, Miller Overpass (historic labor plaques), historical union facts, and significant Detroit landmarks.

**Tour Includes:** Admission, guided tour of museum, guided tour of the city, and transportation.

**Depart:** 12:30pm  
\$50.00 per person

**Return:** 5:00pm  
Minimum 10 people

## Thursday, July 31<sup>st</sup>

### Diamond Jack River Boat Cruise



Cruise along the Detroit River and see the Northern Coastline of the United States and the Southern Coastline of Canada in a unique way. Treat your senses to this awe-inspiring narrated, river tour.

**Tour Includes:** River Cruise and transportation.

**Depart:** 12:00pm  
\$45.00 per person  
Minimum 10 people

**Return:** 4:00pm  
\$40 child (age 5-16)

# ALL TOURS DEPART IN FRONT OF RACKHAM AUDITORIUM