

Monday 25 March 2019

Check-In

14:00-18:00

Registration Tables Open

16:30-18:00

Technology Showcase Open

Tuesday 26 March 2019

Breakfast

6:30 to 8:00 am

Check-In

Registration Tables Open at 7:00 am

Opening Session

08:00-08:10

Call to Order and Safety Briefing—Gary Fry, TTCI

08:10-08:20

Welcome—Special Guest

08:20-08:30

Opening Remarks—Gary Fry and Lisa Stabler, TTCI

08:30-09:00

Keynote Address—Ronald L. Batory, Administrator, Federal Railroad Administration

Plenary Technical Session I

09:00-09:30—Automated Train Operations, Michael Newcomb, Chair,
AAR Train Control, Communications, and Operations Committee

09:30-10:00—Advanced Wheel Inspection Technology Implementation, Casey Dyer, Union

Break

Plenary Technical Session II

10:30-10:50—FRA Research Highlights, Maryam Allahyar-Wyrick, Director, Research,
Development, and Technology, Federal Railroad Administration

10:50-11:10—Facility for Accelerated Service Testing, Joe LoPresti, TTCI

11:10-11:30—Emerging Technology for Automated Detection, Matt Witte, TTCI

11:30-12:50—Lunch Served in the Technology Showcase

Parallel Technical Sessions I

Time	Infrastructure I	Mechanical I
13:00	Rail Performance and Integrity (Banerjee)	Car and Truck Systems (Walker)
13:20	Improved Rail Inspection Technologies (Witte)	Impact Modeling of Cars Equipped with End-of-Car Cushioning Units (Klopp)
13:40	Bridges (Otter)	Brake Systems (Cummings)
14:00	Panel Discussion	Panel Discussion

Break**Parallel Technical Sessions II**

	Infrastructure II	Mechanical II
14:45	Ties and Fasteners (Gao)	High Performance Wheel Research (Jones)
15:05	Substructure Systems (Wilk)	Wheel Profile Design and Maintenance (Cummings)
15:25	Implementation of Improved Special Trackwork Foundations (Bakkum)	Reconditioned Bearing Performance (Clasby)
15:45	Panel Discussion	Panel Discussion
16:10	Closing Remarks (LoPresti)	Closing Remarks (Fry)

16:20 Adjourn**16:30-18:00—Reception in the Technology Showcase**

Wednesday 27 March 2019

TTCI Open House and Track-Walk

05:45-06:00—Meet Busses at Cheyenne Mountain Resort, Colorado Springs, Colorado

06:00—Busses Depart for TTCI, Pueblo Colorado

07:00-07:20—Check-In at TTCI, Pueblo, Colorado

07:20-07:50—Breakfast at TTCI

07:50-08:00—Opening Remarks and Safety Briefing

08:00-11:00—TTCI Facility Tour

- Cracked Wheel Detection (ACWD site) Poudel
- Track and Component Tests on HTL
 - Premium Rail Steels Banerjee
 - Intermediate Hardness Rail Steels Banerjee designee
 - Improved Hardness, and Impact Treated Thermite Welds Brice
 - Effects of Moisture on Ballast Degradation Wilk
 - Wood and Composite Tie and Fastener Tests Gao
 - Degraded Concrete Tie Test Gao designee
 - Steering Switch Points, and Heavy Point Frog Bakkum
 - ELF Frog Bakkum designee
 - Steel Bridge Tests Linkowski, Rakoczy, Otter
 - Improved Hot Box Detection Clasby
 - Machine Vision Inspection Systems Meddah, Witte
 - UAV demo Brandon Morris
 - Mechanical SRI displays (TBD) Cummings (TBD)
 - Equipment Displays Various Vendors

11:00-12:00—Lunch

12:00—Busses depart for Cheyenne Mountain Resort, Colorado Springs, Colorado