

2019 MEETING AGENDA

September 8-10, 2019

Dynatest North America

11415 Old Roswell Road, Alpharetta, Georgia

The board of directors of the FWD User Group is pleased to announce the 28th Annual Meeting. It will take place on Sunday September 8th, through Tuesday September 10th in Alpharetta, Georgia

Sunday, September 8th

Marriott Residence Inn - North Point Mall

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| 10:00 am – 2:00 pm | Exhibitor Set Up, Dynatest North America
11415 Old Roswell Road, Alpharetta, Georgia |
| 2:00 – 5:00 pm | FWD Operators Meeting, Marriott Residence Inn (Board Room) |
| 5:00 – 6:00 pm | Meeting Registration and Check In, Marriott Residence Inn |
| 6:00 – 9:00 pm | FWD Users Group Welcoming Reception, Main Event Alpharetta
10700 Davis Drive, Alpharetta, Georgia, Fajita Dinner
<i>(Transportation from the Marriott Hotel starting at 5:30 pm.)</i> |

Monday, September 9th

Dynatest North America

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| 7:00 – 8:00 | Exhibitor Setup, Registration, and Visit the Exhibitors, Dynatest North America
<i>(Transportation will be available from the Marriott Hotel to the Dynatest facility starting at 7:00 am.)</i> |
| 7:30 – 8:15 | Continental Breakfast, Dynatest North America |
| 8:15 | Housekeeping, Introductions and Program Overview |
| 8:20 – 8:45 | <u>Welcome</u>
Christian Lanng Nielsen, CEO and Randy Milton, Client Services Director,
Dynatest North America |

Stephan Durham, University of Georgia

Eugene Utsalo, Georgia Department of Transportation

Morning Session**David Hein, Applied Research Associates, Inc., Presiding**

- 8:45 – 9:15 **Case Studies in Comprehensive Assessment**, Jerry Daleiden, ARRB
- 9:15 – 9:45 **Use of FWD to Assess Over-excavation Locations and Quantities**, Peter Schmalzer, Nevada DOT
- 9:45 – 10:30 **Break**
- 10:30 – 11:00 **Effect of Moving Dynamic Loads on Pavement Performance**, Hyung S. Lee, Applied Research Associates
- 11:00 – 11:30 **Estimating Fatigue and Rutting Strain from Traffic Speed Deflectometer measurements**, Leif Gronskov, Greenwood Engineering
- 11:30 – 12:00 **Dynatest RAPTOR – a Replacement of the FWD?**, Jack Larsen, Dynatest North America
- 12:00 – 1:00 **Lunch**
- 1:00 – 1:30 **Business Meeting – David Hein, Applied Research Associates, Inc.**
- *Financial Update*
 - *Update of By-Laws and Status of Non-Profit Registration*
 - *Election of Chairman-Elect and Host for the 2020 FWD Users Group*
 - *Future Directions for the FWD Users Group*
 - *Future Meeting Locations – 2021 and beyond?*

Afternoon Session**David Hein, Applied Research Associates, Inc., Presiding**

- 1:30 – 2:00 **FWD Calibration Improvements**, David Orr, Cornell University Local Roads Program
- 2:00 – 2:30 **Selection of Subgrade Resilient Modulus for Pavement Design Using FWD Testing**, Christopher Senseney, Kiewit
- 2:30 – 3:00 **Some Interesting Findings about Asphalt Concrete and Cement Treated Base Interface at Varying Temperatures**, Carl Lenngren, Sweco
- 3:00 – 3:30 **Break**
- 3:30 – 4:30 **Tour of Dynatest Facility**, Christian Lanng Nielsen and Randy Milton
- 4:30 **Meeting adjourn for the day**
- 4:30 – 5:00 **FWDUG Board of Director's Meeting**
- 6:30 – 8:30 **Evening Event and Dinner, Top Golf**
(Transportation from the Marriott Hotel leaves at 5:45 pm.)

Tuesday, September 10th
Dynatest North America

Morning Session

Stan Smith, Olson Instruments, Inc., Presiding

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| 7:00 – 8:00 | Visit the Exhibitors, Dynatest North America
<i>(Transportation will be available from the Marriott Hotel to the Dynatest facility starting at 7:00 am.)</i> |
| 7:00 – 8:00 | Continental Breakfast, Dynatest North America |
| 8:00 – 8:30 | Lightweight Deflectometer Testing of Idaho Soils in the Laboratory and Correlation Development with Resilient Modulus Test Results , Deb Mishra, Oklahoma State University |
| 8:30 – 9:00 | Subgrade Shear Strength Parameters Estimation Using Light Weight Deflectometer , Hadi Nabizadeh, Applied Research Associates, Inc. |
| 9:00 – 9:30 | Utilization of Ground Penetration Radar (GPR) for Pavement Forensic Investigations and Future Asset Management , Stephan Durham, University of Georgia |
| 9:30 – 10:00 | Effects of Loading speed and Pavement Temperature on Airfield Asphalt Pavement Stresses , Richard Ji, FAA |
| 10:00 – 10:30 | Break |
| 10:30 – 11:00 | JCP Pavement Deflection Variations Associated with Temperature Gradients , Dan Ye, Fugro |
| 11:00 – 11:45 | Open Forum Discussion |
| 11:45 | Wrap-Up and Adjournment |

MANY THANKS TO OUR CONFERENCE EXHIBITORS AND PARTNERS



Olson Instruments, Inc.



TMR Inc.

