

2018 MEETING AGENDA

September 9-11, 2018
Boise State University
1910 University Drive, Boise, Idaho

The board of directors of the FWD User Group is pleased to announce the 27th Annual Meeting. It will take place on Sunday September 9th, through Tuesday September 11th in Boise, Idaho.

Sunday, September 9th Holiday Inn, Boise

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| 2:00 – 5:00 pm | FWD Operators Meeting, Holiday Inn, Parkcenter Room |
| 6:30 – 7:30 pm | Meeting Registration and Check In, Holiday Inn, Parkcenter Room |
| 7:00 – 9:00 pm | FWD User's Group Welcoming Reception, Holiday Inn, Parkcenter Room |

Monday, September 10th Boise State University

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| 7:30 – 8:15 | Exhibitor Setup (Bishop Barnwell Room), Registration, and Visit the Exhibitors |
| 7:30 – 8:15 | Continental Breakfast (Bergquist) |
| 8:15 | <u>Housekeeping, Introductions and Program Overview</u> |
| 8:20 – 8:30 | <u>Welcome</u>
Deb Mishra, Assistant Professor, Department of Civil Engineering, Boise State University |

Trek Pallister/James Poorbaugh, Idaho Transportation Department

Morning Session

David Orr, Cornell University, Presiding

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| 8:30 – 9:00 | Assessing the Applicability of Deflection Basin Parameters for Network-Level Pavement Condition Assessment – Mechanistic Analysis and Case Studies, Deb Mishra, Boise State University |
| 9:00 – 9:30 | Calibration and Validation of Airport Pavement Design Model using the FAA Full Scale Pavement Testing Program, Richard Ji, William J. Hughes, Technical Center |
| 9:30 – 10:00 | Applying the Latest Technology to Optimize Pavement Assessment, Jerry Daleiden, ARRB Group |

- 10:00 – 10:30 **Break**
- 10:30 – 11:00 **Pavement Evaluation of Arterial Roadway System Using FWD, GPR, Roughness and Coring Data**, Abbas Butt, Engineering & Research International Inc.
- 11:00 – 11:30 **FWD testing on unbound surfaces, 27 years of experience from Mn/Road to Construction Related Performance Specifications**, Carl Lenngren, SWECO
- 11:30 – 12:00 **Who Says Back-Calculation is only about Layer Moduli?**, Hyung Lee, Applied Research Associates, Inc.
- 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 2019 FWD User's Group*
- *Future Directions for the FWD User's Group*
- *Future Meeting Locations – 2020 and beyond?*

Afternoon Session

Greg Uherek, AASHTO re:source, Presiding

- 1:30 – 2:00 **Using FWD to Monitor Structural Adequacy of the Pavement due to Flooding-Florida Case Study**, Guangming Wang, Florida Department of Transportation
- 2:00 – 2:30 **How Fast Can we Go?**, Phil Donovan, Dynatest
- 2:30 – 3:00 **Maximizing the value of Traffic Speed Deflectometer (TSD) Measurements using Physical Modelling**, Christoffer Peder Nielsen
- 3:00 – 3:30 **Break**
- 3:30 – 4:00 **Update on FWD Calibration Protocols**, David Orr, Cornell University Local Roads Program
- 4:00 – 4:30 **JILS Field Calibration Techniques and the New SMARTCAL In-Place Sensor Calibration**, Gary Sanati, Foundation Mechanics
- 4:30 **Meeting adjourn for the day**
- 4:30 – 5:00 **FWDUG Board of Director's Meeting**

6:00 – 9:00 **Evening Event and Dinner, Basque Museum, Basque Block Party including Music and Oinkari Basque Dancers, Tapas and Paella**

Tuesday, September 11th Boise State University (Berquist)

Morning Session

David Hein, Applied Research Associates, Inc., Presiding

- 7:00 – 8:00 Visit the Exhibitors (Bishop Barnwell)
- 7:00 – 8:00 Continental Breakfast (Bishop Barnwell)
- 8:00 – 8:30 **The use of LWD Measurements on Proctor Molds for Determining Target Modulus**, Stan Smith, Olsen Engineering
- 8:30 – 9:00 **Application of Falling Weight Deflectometer to Estimate In-Situ Shear Strength Parameters of Subgrade**, Hadi Nabizadeh, Applied Research Associates, Inc.
- 9:00 – 9:30 **Traffic Speed Deflectometer Application, its Effectiveness non only for Network Level Screening but also Project Level and Maintenance Planning** Graham Salt, Geosolve/Greenwood Engineering
- 9:30 – 10:00 **Chevlay2 Software Update and Capabilities**, David Orr, Cornell University Local Roads Program
- 10:00 – 10:30 **Break**
- 10:30 – 11:00 **Temperature Correction of FWD Data**, Pete Schmalzer, NCE.
- 11:00 – 11:30 **Use of FWD Testing to Assist in the Evaluation of the Impact of Super-Heavy Loads on Pavements**, Dave Hein, Applied Research Associates, Inc.
- 11:30 – 12:00 Wrap-Up and Adjournment

MANY THANKS TO OUR CONFERENCE EXHIBITORS AND SPONSORS

