

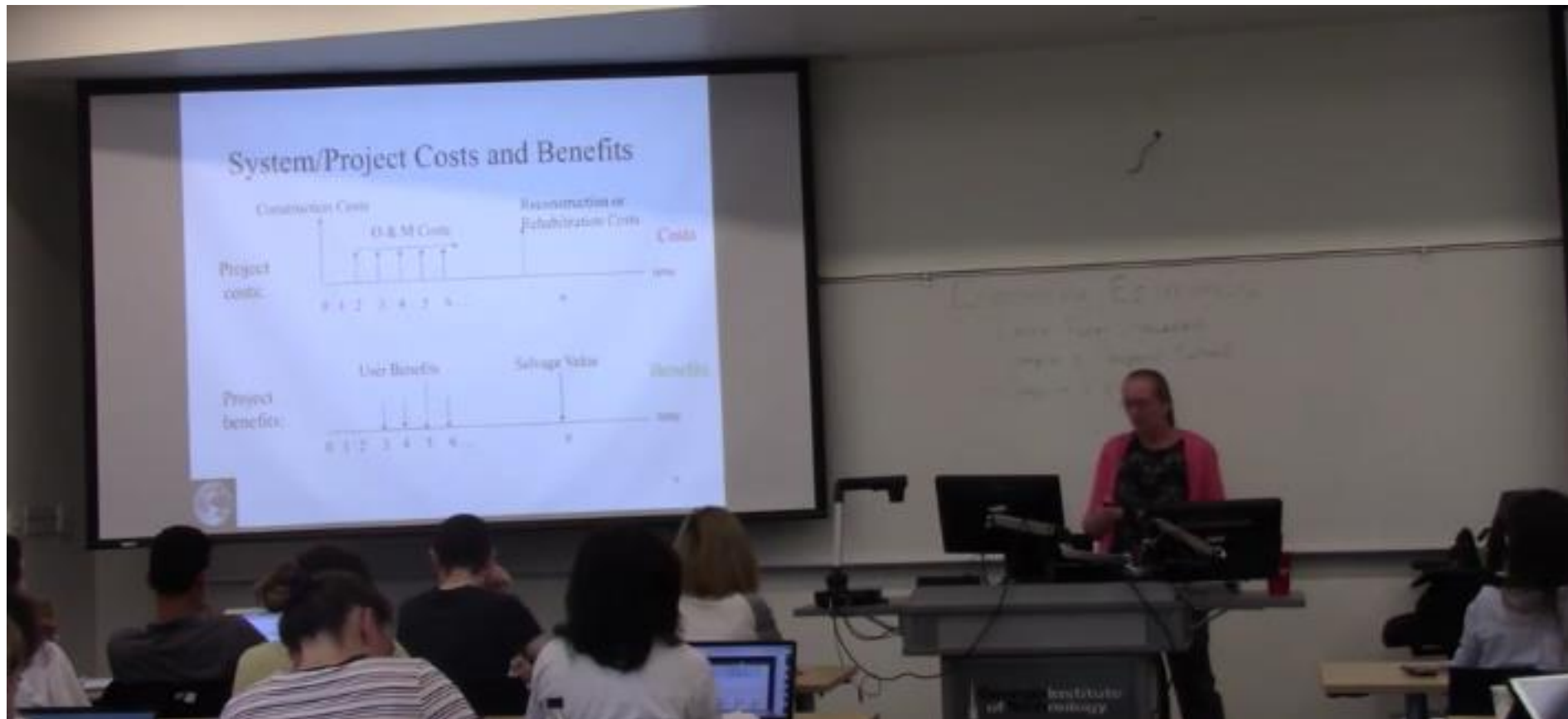
TRB AFD00 Activities

Steven Tritsch, CP Tech Center
South East States Pavement Conference
October 25, 2018

The rumors of her working on her Halloween Costume are false - it is done – she's going as an HOV lane....
again



The truth is she is masquerading as a
Teacher, teaching Engineering
Economics to Georgia Tech undergrads



Overview

- TRB Pavements Section (AFD00)
 - Recent Changes
 - What's Coming
- AFD50 Design and Rehabilitation of Concrete Pavements
 - Recent Activities
 - What's Coming
- TRB Annual Meeting
 - SAGE & Editorial Manager
 - 100th Anniversary

Recent Pavement Section Reorg

- Name changed from Pavement Management to “Pavements”
 - New Section Chair: Bouzid Choubane, FLDOT
- Rehabilitation Committee split into Asphalt and Concrete Rehab and added to Design Committees
- New Committee: AFD30: General and Emerging Pavement Design
 - New Committee Chair: Gerardo Flintsch, VT

AFD00 Section Name & Scope

Pavements

The Pavements Section is part of the Design and Construction Group. It consists of **eight** committees that propose research, share research findings, sponsor special activities, and provide a forum for transportation professionals to discuss today's and tomorrow's **pavement related transportation issues**. The chairs of each of these committees are members of the Pavements Section Executive Board, who along with the section chair, provide general oversight of the activities within the Section.

Pavements Section Committees

AFD10	Pavement Management Systems
AFD20	Pavement Condition Evaluation
AFD30	General and Emerging Pavement Design
AFD40	Full-Scale Accelerated Pavement Testing
AFD50	Design and Rehabilitation of Concrete Pavements
AFD60	Design and Rehabilitation of Asphalt Pavements
AFD80	Pavement Structural Modeling and Evaluation
AFD90	Pavement Surface Properties and Vehicle Interaction

Each TRB committee can include the following:

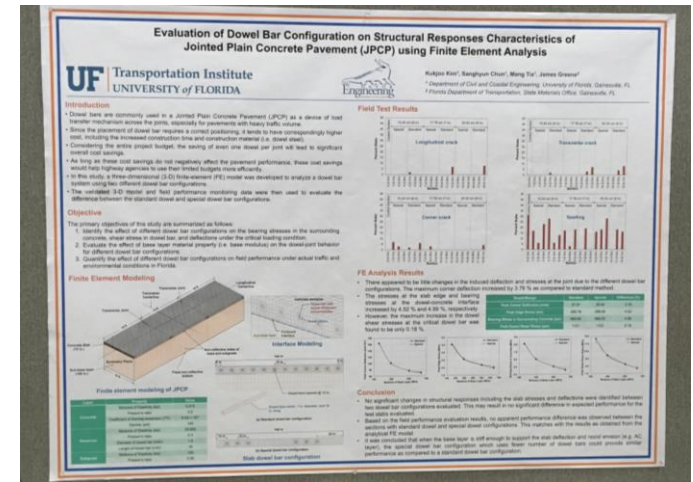
- 25 Main Members (chair included)
- 5 additional slots (above the 25 member cap) for international members (non-U.S.)
- 4 additional slots (above the 25 member cap) for "young" members (35 years or younger)
- 2 additional slots (above the 25 member cap) for employees of state DOTs

- 36 total members possible

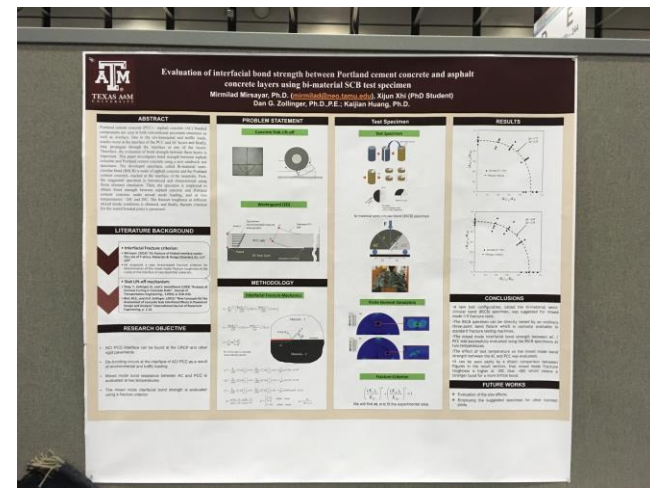
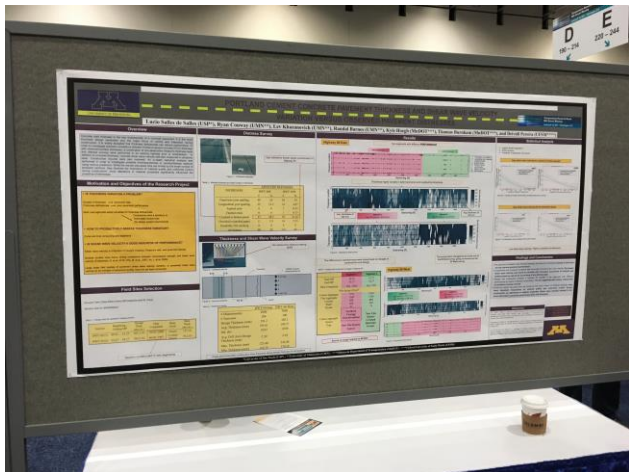
New Activities in the Pavements Section (AFD00)

- New Poster Awards
- Potential New Young Members Subcommittee for the Section

New Poster Awards in Pavement Section



The Committees in the Pavement Section will identify a best poster and recognize the winners at the Annual Meeting Committee meetings



Poster Judges Form (Draft)

Subject Matter & Scientific/Engineering Merit	Score (1 = Poor; 3 = Satisfactory; 5 = Excellent)				
Descriptive Title	1	2	3	4	5
Introduction/Background	1	2	3	4	5
Objectives	1	2	3	4	5
Methodology/Approach	1	2	3	4	5
Results	1	2	3	4	5
Originality	1	2	3	4	5
Conclusions & Recommendations	1	2	3	4	5
Significance of Work	1	2	3	4	5
Category Subtotal = / 40					
Poster Style, Organization & Visuals	Score (1 = Poor; 3 = Satisfactory; 5 = Excellent)				
Organization & Flow	1	2	3	4	5
Overall Visual Appeal	1	2	3	4	5
Legibility	1	2	3	4	5
Figure and Table Usage	1	2	3	4	5
Message	1	2	3	4	5
Volume of Material	1	2	3	4	5
Category Subtotal = /30					
Presentation	Score (1 = Poor; 3 = Satisfactory; 5 = Excellent)				
Engagement with audience	1	2	3	4	5
Clear, concise delivery	1	2	3	4	5
Question/Answer	1	2	3	4	5
Category Subtotal = /15 X 2 = /30					

TRB looking to Younger Members

- New Young Members Council
- New Young Members Subcommittee for the Pavement Section proposed
- Remember- 2 additional slots for young members on each Committee (young < 35)

2019 TRB Annual Meeting Activity in Pavements

– Sunday Workshops

- Automated Pavement Cracking Data Collection/Analysis
- Cold Asphalt Recycling
- Traffic Speed Deflection
- Pavement Smoothness
- Porous Pavements

– Thursday Workshops

- Pavement Performance Data Analysis (old DAWG)
- Asphalt Mixture Mechanistic Properties

2019 TRB ANNUAL MEETING

*TRANSPORTATION FOR A SMART,
SUSTAINABLE, AND EQUITABLE FUTURE*

AFD50 Design and Rehabilitation of
Concrete Pavements

AFD50 2018/9 Paper Activity

- 15 papers reviewed
 - 9 papers presented
 - 3 papers recommended for publication
- Finite Element Modeling
 - New Faulting Model for Pavement-ME
 - Variety of Other issues: RCC (roller compacted concrete), RCA (recycled concrete aggregate), 2-Lift concrete pavements, CRCP

AFD50

2018

MID-YEAR MEETING



Mid-Year meeting

- Held with Wisconsin DOT
- Included tour of Interstate construction site
- Many Thanks to Wisconsin DOT and Wisconsin ACPA for supporting the meeting!



New Subcommittee Chair:

Dr. Julie Vandebossche
University of Pittsburgh



AFD50(1)

SUBCOMMITTEE ON ADVANCED CONCRETE PAVEMENT MODELING

FHWA Concrete Updates

- Webinars on TRB website
 - Internal Curing
 - Bases/Subbases for Concrete Pavements
 - Permeable Concrete Pavements
 - Roller Compacted Concrete
 - Rigid Pavement Rehabilitation
- You Tube videos coming!
 - **Series of 10 videos (15 to 30 min) on selected topics now in production**

FHWA Mobile Testing Trailers – New Web Pages

- **Mobile Concrete Trailer –**

<https://www.fhwa.dot.gov/pavement/concrete/trailer/index.cfm>

- **Mobile Asphalt Trailer –**

<https://www.fhwa.dot.gov/pavement/asphalt/trailer/index.cfm>

TRB will be celebrating it's 100 Year
Anniversary in 2020



100 YEARS

TRB Turns 100 on November 11, 2020, and we're ready to *celebrate*.

TRB/SAGE/Editorial Manager

- SAGE is the new publisher of TRR
 - Expect to improve the usefulness of TRR
- TRB changed the paper review process to Editorial Manager
 - Editorial Manger is used by the major Civil Engineering journals
 - Some hiccups this first year- but it will get better!

Academic Interest- Impact Factors

- 2017 Impact Factors were released by Clarivate Analytics, and TRB is happy to report that the TRR's has risen to an all-time high of 0.695.
- Especially interesting is the 5-Year Impact Factor, which is 0.954.

See you at TRB 2019!

Jon Epps will be giving the Thomas
B. Deen Distinguished Lecture

January 13-17, 2019

Washington, D.C.