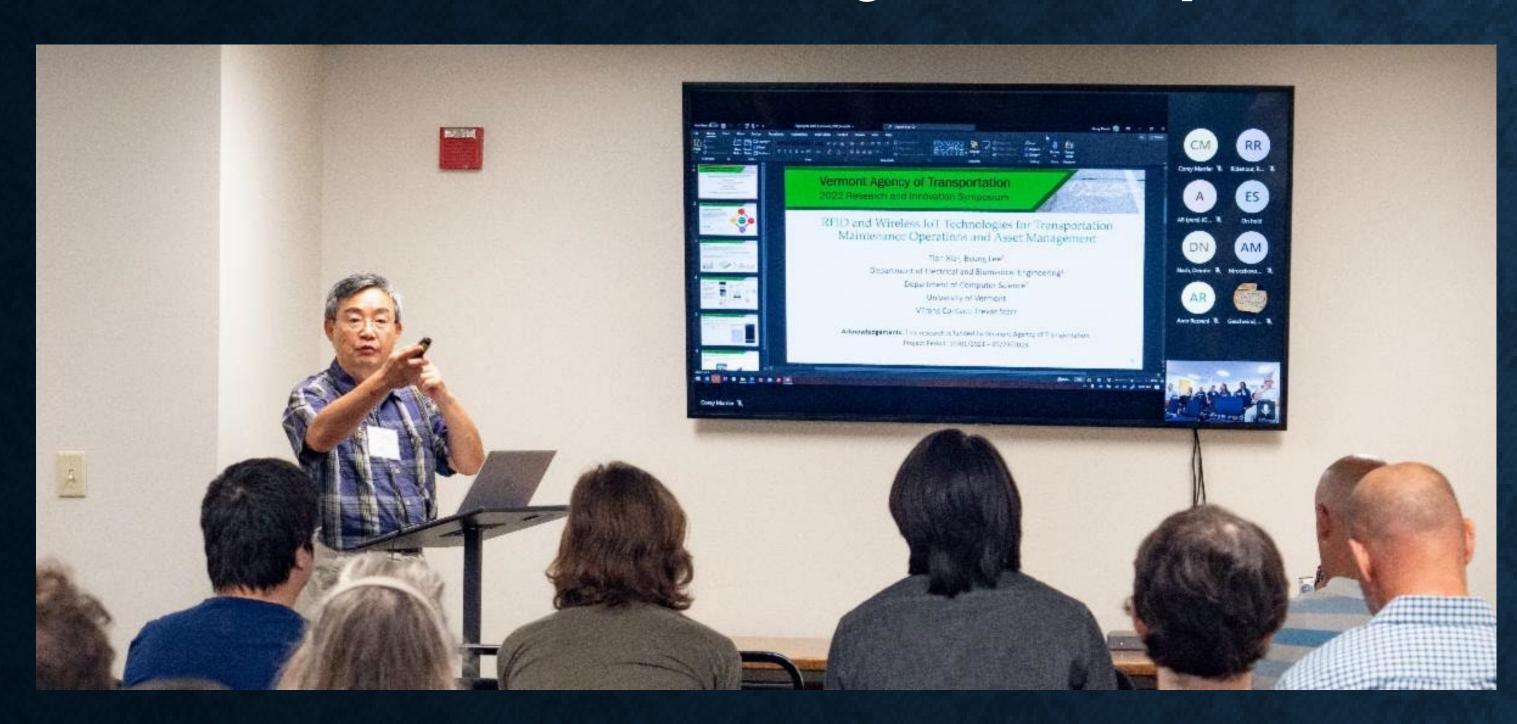


VERMONT RESEARCH & INNOVATION SYMPOSIUMS



Background Information

- Held in September since 2017
- Initially motivated as a way to share what we are doing with Research
- 2021 and 2020 were virtual. 2022 was Hybrid
- 2022: 27 projects; 100 in-person attendees; 74 virtual over 5 sessions
- 2022 Technical Sessions: Materials; Structures, Construction and Concrete; Asset Management and Condition; and Planning and Safety



Each Project Web Page has:

- Individual Project Page on Symposium Website
- Project Description
- Fact Sheet
- Poster
- 4-minute Highlights Presentation (recording or slide deck)
- Additional Links (Final Reports, Project Pages, etc.)
- Presenter Contact Info

Tanya Miller, Research Engineer; Dr. Emily Parkany, PE, Research Manager

2023 Transportation Research Board Annual Meeting, Session 3153

HYBRID RESEARCH & INNOVATION

BALANCED MIX DESIGN (BMD)

Brief Project Description: Balanced mix design (BMD) is an innovative methodology in evaluating asphalt mix designs by utilizing performance - related tests correlated to various volumetric and engineering properties. Using the Hamburg Wheel Tracker Test (HWTT) to evaluate rutting and moisture susceptibility, and the Illinois Flexibility Index Test (I-FIT) and Indirect Tensile Asphalt Cracking Test (aka the IDEAL-CT) to evaluate cracking susceptibility, a benchmarking study was conducted by VTrans, FHWA, and NCAT to evaluate the range of test results, with all samples representing plant-produced mixtures on VTrans' Quality Assurance (QA) paving projects from the 2017 through 2021 construction seasons.

Poster:



Presenter: Aaron Schwartz, VTrans

Related VTrans Project Page

2022 NEAUPG Presentation

Contact: Aaron Schwartz, <u>aaron.schwartz@vermont.gov</u>

Dr. Norm Tren., NCAT/Auburn University

reads, and her gright displaying the effect of test ages and his bloder grade or FAFT moulta-

2022 Symposium Website

New in 2022:

- Shorter Day (competing Technical Sessions!)
- Hybrid Format, Worked with Consultant
- Posters Plus Demonstrations (50%)
- Tours of Materials Lab and Transportation Management Center
- People's Choice Awards
- Post-Event Newsletter
- Food!

Benefits



Post Event Newsletter

- Diverse topics and audience
- Practitioners and Researchers can share information
 - Good option for Tech Transfer and advancing Knowledge Management
- Networking Opportunity
- Content is available online after the event. Can point to information for years
- Project materials seed our quarterly newsletters
- Share Research and AOT Innovations with additional audiences

