The Larson Transportation Institute in the Department of Civil and Environmental Engineering at Pennsylvania State University is seeking a highly motivated candidate to conduct research in the area of pavement engineering with a focus on pavement condition evaluation and monitoring. The successful candidate will immediately work on cutting-edge research projects in pavement condition assessment and modeling using interdisciplinary techniques including sensors, non-destructive evaluation, and machine learning methods.

Candidates should meet the following requirements to apply:
• Have earned a Ph.D. in Civil Engineering or a related engineering field;
• Have strong background and experience in pavement engineering and materials, engineering mechanics, and non-destructive evaluation;
• Advanced analytical and problem-solving skills;
• Ability to conduct high-quality research and disseminate research results, as evidenced by prior publication and presentation history;
• Excellent communication and presentation skills; and,
• Demonstrated leadership qualities.
• **Preferred qualifications**: knowledge and experience in dynamics and vibration, data processing techniques, sensors, and machine learning modeling.

Key responsibilities of the position:
1. Conduct and lead research activities related to pavement condition evaluation and monitoring, advanced characterization and modeling of asphalt material.
2. Collaborate and coordinate with internal and external research teams and industry partners.
3. Author and co-author research papers, reports, and presentations.
4. Assist the PI in grant proposal preparation.

Interested candidates should include with their application: 1) an academic CV; 2) a statement of research vision and future career goals; and 3) names of at least three academic references. Candidates are also encouraged to contact Dr. Shihui Shen (szs20@psu.edu) for questions and/or inquiries. Please include "Pavement postdoc position" in the email subject.