American University of Armenia

COLLEGE OF ENGINEERING
SEMINAR SERIES

THE STRATEGIC HIGHWAY RESEARCH PROGRAM (SHRP)

by
Dennis Hiltunen
Penn State University

Abstract

The work to be presented in this seminar was conducted at Penn State University as part of the Strategic Highway Research Program (SHRP) A-005 asphalt research contract. The two primary goals of the SHRP A-005 research effort at Penn State were:

- To validate the effectiveness of the new SHRP binder and mixture specification tests to control thermal cracking performance of asphaltic concrete pavements in the field.
- To develop a pavement performance predication model to support the new SHRP mixture specification and for use with the SHRP SUPERPAVE software.

In addition, the mixture specification test selected by SHRP to support the specification for thermal cracking was developed at Penn State as part of this contract.

About the Speaker

Dr. Dennis R. Hiltunen is an associate professor of civil and environmental engineering and a faculty associate of Pennsylvania Transportation Institute, both a part of the Penn State University system. His research interests and experiences include the nondestructive evaluation of soil deposits and pavement systems, instrumentation and data acquisition for materials characterization, pavement design and modeling, and soil dynamics. At Penn State, Dr. Hiltunen has taught undergraduate courses in both geotechnical engineering and civil engineering materials. At the graduate level, he has taught a course in soil and foundation dynamics, and is currently developing a course in instrumentation and data acquisition for materials characterization. He also serves as the primary supervisor of the undergraduate soil and materials laboratories. Currently, Dr. Hiltunen is a visiting professor at the American University of Armenia (AUA) in Yerevan. At AUA, he is teaching courses in soil mechanics, foundation engineering, and soil dynamics in the Department of Earthquake Engineering.

Date: Thursday, June 16, 1994
Time: 3:30-5:00p.m.
Place: Auditorium, 5th floor, AUA, 40 Marshall Baghramian Avenue

The seminar is open to the public free of charge.