

The presentation today, January 25, 2016, is given jointly by Dr. Haleh Azari and Dr. Alaeddin Mohseni. They together own and co-manage the Pavement Systems Company. Their specialty is research and development in field of pavement materials.

Before joining Pavement Systems, Dr. Azari managed the AASHTO Research Program for 8 years. She was the principal investigator of several NCHRP projects for improving AASHTO specifications. In her role, she developed precision estimates for more than 30 AASHTO and ASTM test methods. Prior to AASHTO, Dr. Azari worked at TFHRC of FHWA for 7 years fulfilling her PHD research as an Eisenhower Fellow and later managing the x-ray tomography laboratory. She earned her PH.D. in Pavement Materials from University of Maryland at College Park and her B.S and M.S. in civil engineering from University of Illinois at Urbana-Champaign.

Dr. Mohseni founded Pavement Systems LLC in 1995. He has been involved with SHRP and Superpave project since 1993. He has been a regular participant in the Asphalt Binder ETG since 1995. Dr. Mohseni developed SHRPBind software in 1994 for the initial implementation of SHRP PG binder grade selection. He found SHRP low-temperature grade to be too conservative and therefore in 1997 introduced a new Low-Temperature model, which according to FHWA's estimate, saved states \$50M annually. Dr. Mohseni introduced a new model for High Temperature PG in 2004 and developed LTPPBind Version 3.1 in 2005.

Since 2005, Dr. Mohseni has been working on the development of several new test methods based on iRLPD concept, namely: Asphalt Mixture Rutting, Fatigue Cracking, and Moisture Damage. Since 2008, he has been working on new Low, intermediate, and High Temperature binder tests and a series of mastic tests for asphalt quality control.

Dr. Mohseni earned his PH.D in Pavements from University of Illinois, his M.S. in civil engineering from University of Oregon in Corvallis, and his B.S. in civil engineering from University of Washington in Seattle.