

Washington ACI Chapter Meeting

March 19, 2025



Meet the Speaker. Topic: Supplementary Cementitious Materials



Jason Weiss, Ph D, MS, BAE

Professor, School of Civil and Construction Engineering
Miles Lowell and Margaret Watt Edwards Distinguished Chair in Engineering

Jason Weiss is the Edwards Distinguished Chair in Engineering. Before joining Oregon State as the Head of the School of Civil and Construction Engineering (2015-2020), he was a faculty member at Purdue University for over 16 years, where he held the position of the Jack and Kay Hockema Professor of Civil Engineering and Director of the Pankow Materials Laboratory. He earned a B.A.E. from Pennsylvania State University and an MS and PhD from Northwestern University in 1997 and 1999, respectively. He is actively involved in research on cement and concrete materials, specifically focused on early-age property development, cracking, transport in concrete, and concrete durability. Specifically, he is known for research his group has performed in the areas of shrinkage and cracking reduction, the use of the ring and dual ring test, the use of electrical resistivity and the formation factor, salt damage and oxychloride, the use of internally cured concrete, and concrete pavement durability.

Dr. Weiss has taught courses in civil engineering materials, concrete materials, service life, building envelopes, repair and non-destructive testing. His primary research interests are in the area of early age shrinkage cracking and mitigation as well as service life sensing and prediction.

He is also a primary author of the durability tests for the Performance Engineered Mixtures/Performance Related Specifications programs underway at FHWA. He is currently the Editor-in-Chief of the American Concrete Institute's Journal of Materials, Associate Editor of the Transportation Research Record, and is the former editor-in-chief of the ASTM Journal of Advances in Civil Engineering Materials and the RILEM journal Materials and Structures.

Dr. Weiss has authored over 425 publications with over 225 peer-reviewed journal articles. He is recipient of the NSF Career Award, the RILEM L'Hermite Medal, the ACI W. P. Moore, ACI Young Member, ACI Philleo, and ACI Wason Best Paper Award, ACI Arthur Anderson Award, the ESCSI Erskine Award, the TRB Burgraff, AFN040 section award, and Mather Awards for outstanding research and publications, the ACPA Knutson award, and the ASCE Huber Award. He is a fellow of ACI and RILEM and is also the recipient of the Wansik, Munson, Buck, and Burke Award for outstanding teaching/advising in the School of Engineering, the Potter Award for outstanding teaching in the College of Engineering, the University Murphy Award for undergraduate teaching, and has been inducted into the Purdue Teaching Academy.