

Advancements in Pavement Design, Maintenance and Rehab Strategies

Purpose and Background

This seminar is a series of learning modules that have been developed to break down the advancement in the state-of-the-practice in flexible pavement design, maintenance, and rehabilitation into logical components and discuss them in a manner that results in an efficient, effective transfer of technology to participants.

The seminar is organized in the same order as the life cycle of a pavement project. Dr. Gransberg will contribute to the instruction based on specific areas of expertise and the course material will be based on the findings of current research in this area. The result is a comprehensive view of the pavement asset management process as a fully integrated system rather than the conventional approach of separate but related activities.

Seminar Instructor

Douglas D. Gransberg Ph.D., P.E., C.C.P., F.RICS, M.ASCE, is the president and founder of Gransberg & Associates, Inc. a construction management/ project delivery consulting firm. The firm was founded in 1996 and provides RFQ/RFP development services to public agencies, as well as CMGC and DB proposal development services to engineers and consultants. G&A, Inc. has been called on to assist with projects throughout the U.S. and Canada, as well as in New Zealand, Okinawa, Latin America, Europe, and the Middle East. The firm specializes in the development of project management services for complex mega-projects.

Dr. Gransberg retired in 2017 as a professor of construction engineering at Iowa State University, where he held an endowed research chair for 5 years. He received both his B.S. and M.S. degrees in Civil Engineering from Oregon State University and his Ph.D. in Civil Engineering from the University of Colorado at Boulder. He is a registered Professional Engineer in Oklahoma, Texas and Oregon, a Certified Cost Engineer, a Designated Design-Build Professional, and a Fellow of the Royal Institution of Chartered Surveyors in the UK.

Before moving to academia in 1994, he spent over 20 years in the U.S. Army Corps of Engineers, retiring at the rank of lieutenant colonel. In his final posting, Professor Gransberg was the Europe District's Area Engineer stationed in Ankara, Turkey where he managed an annual design and construction program that exceeded \$200 million. He teaches courses in integrated project delivery, cost estimating, project controls, and project management. His research is centered in the delivery of infrastructure/ transportation projects.

Dr. Gransberg led the efforts to develop the AASHTO *Guidelines for CMGC* project delivery and *Guidebook for Alternative Quality Management*. He was one of the co-authors of the AASHTO *Guide for Design-Build Contracting*, and is currently developing the AASHTO *Guide for Managing Geotechnical Risk in Design-build Projects*, and the second edition of the AASHTO *Partnering Handbook*. He is the author of 4 books on construction management topics and over 200 articles, conference papers, and other publications.

- For group training, contact John Wyrick (JWyrick@asce.org) or Stephanie Tomlinson (STomlinson@asce.org)

CEUs/PDHs: ASCE has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. In addition, ASCE follows NCEES guidelines on continuing professional competency. Since continuing education requirements for P.E. license renewal vary from state to state, ASCE strongly recommends that individuals regularly check with their state registration board(s) on their specific continuing education requirements that affect P.E. licensure and the ability to renew licensure. For details on your state's requirements, please go to: http://www.ncees.org/licensure/licensing_boards/.

ASCE seminars are available for On-Site Training. For details regarding On-Site Training and/or needs-based training opportunities, please contact:

**John Wyrick, Director
On-Site Training Worldwide
ASCE Continuing Education
1801 Alexander Bell Drive
Reston, VA 20191-4400
Tel.: 703-295-6184
Email: jwyrick@asce.org**

