



Department of Civil Engineering and Engineering Mechanics
Columbia University

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The Civil Infrastructure Systems (CIS) Program at the National Science Foundation



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Civil, Mechanical, and Manufacturing Division
Engineering Directorate

The Civil Infrastructure Systems (CIS) program at the National Science Foundation is in the Engineering Directorate and within the Civil, Mechanical, Manufacturing Innovation (CMMI) division. The CIS program along with its description, research themes, research communities, example awards, past and current changes, complementary NSF programs, and ongoing initiatives are presented. Issues pertaining to proposal submission to the CIS program are delineated.

Biosketch

Kostas Triantis currently is the program director for the Civil Infrastructure Systems at the National Science Foundation. Dr. Triantis is a Professor in the Grado Department of Industrial and Systems Engineering (ISE) and an Adjunct Professor of the Via Department of Civil and Environmental Engineering, Virginia Polytechnic Institute and State University, Northern Virginia Center. In addition to research and education responsibilities, Dr. Triantis has held administrative responsibilities as the program director of the Systems Engineering program across the Commonwealth of Virginia, and is currently the director of the ISE Ph.D. program in Northern Virginia, and a member of the College of Engineering's Executive committee for the Northern Virginia programs. He also co-directs the System Performance Laboratory (SPL) at Virginia Tech's Northern Virginia campus. Dr. Triantis research has focused on performance measurement and evaluation, fuzzy methods for data envelopment analysis, dynamic efficiency analysis, and affordability engineering, and has included research on the performance evaluation of transportation, civil infrastructure systems, as well as social service and manufacturing enterprises. He has been funded by the National Science Foundation, Federal Highway Administration, Office of Naval Research, NASA, U.S. Navy, American Red Cross, Washington Post, U.S. DOT&E, and U.S. Postal Office. He has been a consultant for organizations such as the American Red Cross and the South Florida Water Management District.