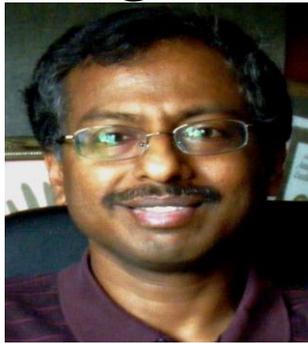


The Department of Mechanical Engineering/College of Engineering and Applied Sciences
Stony Brook University

Mechanical Engineering Seminar



Sreenivas Alampalli

New York State Department of Transportation
Director, Structures Evaluation Services Bureau

Lecture Title: Structural Health Monitoring for Bridges

Wednesday, May 9, 2012, 11AM, Room 173 Light Engineering

Abstract

Structural Health Monitoring (SHM) and Nondestructive Testing (NDT) are being increasingly advocated for bridge owners to complement or replace the visual inspection of bridges and to assist in effective bridge management. This presentation will discuss SHM and its components, and SHM use for bridge management applications. It also explores the inter-relationship and differences between NDT and SHM, using some commonly used NDT methods, to explore the reasons for under-utilization of NDT methods.

Biography

Dr. Sreenivas Alampalli is the Director of the Structures Evaluation Services Bureau at NYSDOT. His responsibilities include managing Structures Inspection, Inventory, Safety Assurance, Project Development, and Program Development functions. He also has extensive experience in structural engineering related research. Dr. Alampalli obtained his Ph.D. and MBA from Rensselaer Polytechnic Institute, M.S. from Indian Institute of Technology, Kharagpur, India, and B.S. from S.V. University, Tirupati, India. He is a Fellow of American Society of Civil Engineers (ASCE), American Society for Nondestructive Testing (ASNT) and International Society for Structural Health Monitoring of Intelligent Infrastructure (ISHMII). He authored or co-authored more than 250 technical publications. He also co-authored a two-volume Book on "Infrastructure Health in Civil Engineering," that was published by the CRC press last year. Alampalli is also an active member of several technical committees in Transportation Research Board (TRB), ASCE, and ASNT; and currently chairs an Expert Task Group to advise FHWA Long Term Bridge Performance Program. Among the awards he has received include the Charles Pankow Award for Innovation from the Civil Engineering Research Foundation, Mentoring Award from ASNT, and Herbert Howard Government Civil Engineer of the Year Award from ASCE Met Section.

Directions: Please refer to website: <http://www.sunysb.edu> or call Augusta Kuhn at 631-632-8310 for more information.
Check <http://me.eng.sunysb.edu> for any changes to location or time.