

Connection Monitoring



Date : 4 October 2019

Time : 10:00 am - 12:00 noon

Venue : Room Z405, PolyU

Professor Gang-bing SONG

John and Rebecca Moores Professor

Director, Smart Materials and Structures Laboratory

University of Houston, USA

Speaker's Biography

Dr. G. Song is the founding Director of the Smart Materials and Structures Laboratory and a Professor of Mechanical Engineering, Civil and Environmental Engineering, and Electrical & Computer Engineering at the University of Houston. Dr. Song is a recipient of the NSF CAREER award in 2001. Dr. Song received his Ph.D. and MS degrees from the Department of Mechanical Engineering at Columbia University in the City of New York in 1995 and 1991, respectively. Dr. Song received his B.S. degree in 1989 from Zhejiang University, China.

He has expertise in smart materials and structures, structural vibration control, piezoceramics, ultrasonic transducers, structural health monitoring and damage detection. He has developed two new courses in smart materials and published more than 500 papers, including 300 peer reviewed journal articles. Dr. Song is also an inventor or co-inventor of 19 US patents and 11 pending patents. He has received research funding in smart materials and related research from NSF, DoE, NASA, Department of Education, Texas Higher Education Board, TSGC (Texas Space Grant Consortium), UTMB (University of Texas Medical Branch), OSGC (Ohio Space Grant Consortium), OAI (Ohio Aerospace Institute), ODoT (Ohio Department of Transportation), HP, OptiSolar, GE, and Cameron.

In addition to his research effort, Dr. Song has passion in improving teaching using technology. He is a leader in internet enabled remote experiment/laboratory and a pioneer in systematically implementing remote experiments in engineering education. He received the prestigious Outstanding Technical Contribution Award from the Aerospace Division of ASCE, the Excellence in Research & Scholarship Award at Full Professor Level from UH, the Celebrating Excellence Award for Excellence in Education from ISA (International Society of Automation), the IEEE Educational Activities Board Meritorious Achievement Award in Informal Education, among others. Dr. Song is a member of ASCE, ASME, and IEEE. Dr. Song served as the General Chair of the Earth and Space Conference 2010, Aerospace Division, ASCE.

*****All Interested Are Welcome*****

**For further information, please contact Miss. Kiwi SU at Tel. 3400 8535.
Certificates of attendance will be provided to those who attend the whole lecture.**