

G.I. Taylor Memorial Lecture

- Wednesday, 3/31/76 1st G.I. Taylor Memorial Lecture, Professor George Batchelor, Cambridge University, "G.I. Taylor: Than Man and His Work"
- Monday, 3/7/77 2nd G.I. Taylor Memorial Lecture, R.T. Jones, Senior Staff Scientist Ames Research Center, National Space & Aeronautics Administration, Moffet Field, Cal., "The Anti-Symmetric Airplane"
- Tuesday, 3/7/78 3rd G.I. Taylor Memorial Lecture, John S. Letcher, Southwest Harbor, Maine, "The Aerodynamics of Sailing"
- Wednesday, 3/7/79 4th G.I. Taylor Memorial Lecture, P.G. Saffman, California Institute of Technology, "On the Theory of Non-Linear Waves"
- Sunday, 3/2/80 5th G.I. Taylor Memorial Lecture, C.C. Lin, Institute Professor of Mathematics, Massachusetts Institute of Technology, "Hydrodynamic Stability"
- Friday, 3/6/81 6th G.I. Taylor Memorial Lecture, Owen M. Phillips, Chairman of the Department of Earth and Planetary Sciences, The Johns Hopkins University, "Interacting Waves - The Evolution of an Idea"
- Monday, 3/29/82 7th G.I. Taylor Memorial Lecture, Sir James Lighthill, Provost, University College London, "Flagellar Hydrodynamics"
- Monday, 3/7/83 8th G.I. Taylor Memorial Lecture, P.B.S. Lissaman, Vice President, AeroVironment, Pasadena, California, "The Gossamer Aircraft"
- Wednesday, 3/7/84 9th G.I. Taylor Memorial Lecture, Dr. J. Barkley Rosser, Emeritus Director, Mathematics Research Center, University of Wisconsin, "Boole's Concept of a Function"
- Thursday, 3/7/85 10th G.I. Taylor Memorial Lecture, Garrett Birkhoff, Gordon McKay Professor of Applied Mathematics, Science Center, Harvard University
- Friday, 3/7/86 11th G.I. Taylor Memorial Lecture, Gottfried Guderley, Retired Chief Mathematician, The Aeronautical Research laboratories, Wright-Patterson AFB, Dayton, Ohio, "Implosion"
- Friday, 3/13/87 12th G.I. Taylor Memorial Lecture, Hans von Ohain, Retired Chief Scientist, Aeronautical Research Laboratories, Wright-Patterson AFB, Dayton, Ohio, "Evolution and Future of Air-Breathing Propulsion"
- Tuesday, 3/8/88 13th G.I. Taylor Memorial Lecture, Knox Millsaps, Professor of Engineering Sciences, University of Florida, "Computational Fluid Dynamics"
- Friday, 3/10/89 14th G.I. Taylor Memorial Lecture, Eric Reissner, Professor Emeritus of Applied Mechanics, University of California, San Diego, "The Center of Shear: A Basis Problem in Structural Mechanics"
- Friday, 3/9/90 15th G.I. Taylor Memorial Lecture, James F. Bell, Professor Emeritus of Mechanics, The Johns Hopkins University, Baltimore & Lecturer, Peabody Conservatory of Music, "A Retrospect on the Contributions of G.I. Taylor to the Continuum Physics of Solids"
- Friday, 3/8/91 16th G.I. Taylor Memorial Lecture, Richard M. Christensen, Senior Scientist, Lawrence Livermore National Laboratory, Livermore, CA, "Micro-Structure Problems for Fiber Composites"
- Thursday, 3/5/92 17th G.I. Taylor Memorial Lecture, Chia-Shun Yih, University of Florida, "Stratified Flows and Internal Waves"
- Wednesday, 2/24/93 18th G.I. Taylor Memorial Lecture, George F. Carrier, T. Jefferson Coolidge Professor of Applied Mathematics Emeritus, Harvard University, "On-Shelf Tsunami Generation and

- Propagation”
- Friday, 3/25/94 19th G.I. Taylor Memorial Lecture, John P. Hirth, Professor, Washington State University, “A History of Dislocation Theory”
- Thursday, 3/23/95 20th G.I. Taylor Memorial Lecture, Y.C. Fung, Professor of Bioengineering, University of California, San Diego, “Biomechanical Contributions of Sir Geoffrey Taylor: Their Influence on Tissue Engineering”
- Friday, 3/22/96 21st G.I. Taylor Memorial Lecture, Daniel C. Drucker, Graduate Research Professor, Emeritus, University of Florida, “Fundamental Engineering Research - Neglected Key to Competitiveness - Choice of Areas & Direction”
- Friday, 3/7/97 22nd G.I. Taylor Memorial Lecture, J.R. Rice, Professor, Harvard University, “Strong but Brittle Faults and the Problem of Earthquake Occurrence at Low Overall Driving Stress”
- Friday, 3/27/98 23rd G.I. Taylor Memorial Lecture, Thomas R. Kane, Professor Emeritus of Applied Mechanics, Stanford University, “Computerized Symbol Manipulation in Mechanics”
- Friday, 2/26/99 24th G.I. Taylor Memorial Lecture, Stephen H. Davis, Walter P. Murphy Professor of Applied Mathematics and Mechanical Engineering, Northwestern University, “The Fluid Mechanics of Boiling”

Knox Millsaps Memorial Lecture

- Tuesday, 9/24/96 1st Knox Millsaps Memorial Lecture, Sheila Widnall, Secretary of the Air Force, “Partnership & Progress: Science, Academia & Public Domain”
- Friday, 12/5/97 2nd Knox Millsaps Memorial Lecture, Jaroslaw Sobieski, Research and Technology Group, NASA Langley Research Center, “Optimization in Engineering Design and its Synergy with High Performance Computing”
- Friday, 1/29/99 3rd Knox Millsaps Memorial Lecture, Ted Belytschko, Walter P. Murphy Professor of Computational Mechanics, Chair of Mechanical Engineering, Northwestern University, “The Element-free Galerkin Method for Crack Growth”
- Friday, 1/28/00 Knox Millsaps Memorial Lecture, Sia Nemat-Nasser, John Dove Isaacs Chair in Natural Philosophy, Department of Mechanical and Aerospace Engineering, University of California, San Diego, “Dislocation-Based Dynamic Flow Stress of BCC, FCC, and HCP Metals Over Temperatures from 77 to 1300 K
- Friday, 3/16/01 Knox Millsaps Memorial Lecture, Stephen C. Cowin, Distinguished Professor, Department of Mechanical Engineering, Director, New York Center for Biomedical Engineering at the City University of New York, “How is a Tissue Built?”.

******Millsaps-Taylor Memorial Lecture******

- Friday, 3/1/02 2002 Millsaps-Taylor Memorial Lecture, Ari Glezer, Professor and Woodruff Thermal Systems Chair, School of Mechanical Engineering, Georgia Institute of Technology, “MicroFluidic Control of MacroFlows”
- Thursday, 4/3/03 2003 Millsaps-Taylor Memorial Lecture, Subra Suresh, Ford Professor of Engineering and Head, Dept. of Materials Science and Engineering, Professor, Mechanical Engineering, Massachusetts Institute of Technology, “Nanoscale Contact at Surfaces: Engineering and Biological Materials”

******Knox Millsaps Memorial Lecture******

- Tuesday, 3/30/04 John A. Tichy, Department of Mechanical Engineering, Aeronautical Engineering and Mechanics, Rensselaer Polytechnic Institute, “Contact Mechanics and Lubrication

Spring 05

Tuesday, 4/25/06

Hydrodynamics of Chemical-Mechanical Planarization”

Dr. Kenneth Waldron, Stanford University (*no flyer*)

Dr. Vigor Yang, Distinguished Professor, Department of Mechanical and Nuclear Engineering, The Pennsylvania State University, “Combustion Instabilities in Rocket and Air-Breathing Propulsion Systems