

2006 ACTA MATERIALIA, INC. GOLD METAL

The 2006 Acta Materialia Gold Metal has been awarded to Professor Subra Suresh, Ford Professor of Engineering and Head of the Department of Materials Science and Engineering at the Massachusetts Institute of Technology. Professor Suresh also holds appointments as Professor of Biological Engineering and Professor of Mechanical Engineering at MIT and Affiliated Faculty of the Harvard-MIT Division of Health Sciences and Technology. Over a career spanning three decades, Professor Suresh's pioneering contributions have encompassed the fields of metallurgy, materials science and engineering, engineering mechanics, fracture mechanics, fatigue of materials, thin films, and cell and molecular biomechanics.

In recognition of these achievements, Professor Suresh has been elected to membership in five science and/or engineering academies including: the US National Academy of Engineering (2002), the Indian National Academy of Engineering (2004), the American Academy of Arts and Sciences (2004), the Science Academy of the Developing World (TWAS), Trieste, Italy (2004), and the Indian Academy of Sciences, Bangalore (2005). He has also been elected a fellow of a number of major professional societies including the American Society of Materials International, the American Society of Mechanical Engineers (ASME), The Minerals, Metals and Materials Society (TMS), and the American Ceramic Society, and an honorary member of the Indian Institute of Metals and the Materials Research Society of India.

Professor Suresh received his Bachelor of Technology degree in first class with distinction from the Indian Institute of Technology, Madras (1977), Master of Science from Iowa State University (1979) and Doctor of Science from MIT (1981). Following post-doctoral fellowship at the University of California, Berkeley, he joined the faculty of engineering at Brown University as Assistant Professor in December 1983, and was promoted to the rank of Associate Professor with

tenure in July 1986 and Professor in 1989. He joined MIT in July 1993 as the R.P. Simmons Professor of Materials Science and Engineering, and was appointed the Ford Professor of Engineering in 2002.

Professor Suresh served as the editor (1994-1998) and coordinating editor (1998-2004) of the journals Acta Materialia and Scripta Materialia, and as a member of the Board of Governors of Acta Materialia (2001-2004). He served as the Chair of the Executive Committee, Materials Division of ASME (1996-1997). He was appointed Head of the Department of Materials Science and Engineering at MIT in January 2000. He was the first MIT Chair of the Advanced Materials Program of the Singapore-MIT Alliance (SMA) in 1999. He is the Chair of the Materials Section Peer Committee and the Materials Section of the US National Academy of Engineering during 2005-2006. He has also been selected by the US National Academy of Engineering to be the American Co-Chair of the Indo-US Frontiers in Engineering Program for 2005-2008. He is the Director and lead-PI of the MIT Defense University Research Initiative on NanoTechnology Program on Damage- and Failure-Resistant Nanostructures and Interfacial Materials, funded by the Office of Naval Research during 2001-2006.

Suresh is the author of 200 articles in international journals, coeditor of five books, and co-inventor on fourteen US and international patents. He has authored/co-authored three books: Fatigue of Materials (Cambridge University Press, 1991), Fundamentals of Functionally Graded Materials (Institute of Materials, UK, 1998), and Thin Film Materials (Cambridge University Press, 2003).

Professor Suresh has delivered a number of named lectures: the S. S. Penner Distinguished Lecture at the University of California, San Diego (2004), the Millsaps-Taylor Memorial Lecture at University of Florida (2003), the General Electric Distinguished Lecture at RPI (2002), the R. B.

Trull Distinguished Lecture in Engineering University of Texas, Austin (2002), the Kelly Lecture at Cambridge University (2001), the Southwest Mechanics Lecture Series (1997), the Shell Distinguished Lecture at Northwestern University (1995), and the Midwest Mechanics Lecture Series (1994-95).

The 2006 Acta Materialia Gold Medal will be presented to Professor Suresh at fue Materials Research Society Fall Meeting in Boston during the week of November 27, 2006. On that occasion, Professor Suresh will also deliver the first Acta Materialia Gold Metal Lecture.

MÁSTER EN TECNOLOGÍA DE PINTURAS

El Departamento de Ingeniería Química y Metalurgia de la Universidad de Barcelona creó, en 1992, un Máster en Tecnología de Pinturas, ya que este sector industrial estaba y está inmerso en un proceso de adaptación a las crecientes exigencias de la tecnología y del mercado internacional.

Desde entonces ya se han entregado 450 títulos y, en este momento, se está preparando la 13ª edición. Este Máster va dirigido a los técnicos de grado medio y superior y a aquellos profesionales que desee adquirir una formación específica en la formulación, fabricación, gestión de la calidad, aplicación y utilización de las pinturas, siendo, por lo tanto, de gran interés para fabricantes, suministradores, materias primas, aplicadores, supervisores, laboratorios de ensayos, usuarios y prescriptores en general (jefes de mantenimiento, encargados de la sección de protección contra la corrosión, especificadores, ingenieros, arquitectos, gestores del control de calidad de organismos públicos y centros privados...).

Se trata de un curso que se imparte, en la modalidad a distancia, en la Universidad de Barcelona Virtual. Tiene una duración equivalente a 360 horas teóricas y prácticas. La teoría se encuentra en Internet y consta de diez módulos: Aspectos generales de las pinturas, propiedades de las pinturas, descripción de los materiales que hay que pintar, preparación de superficies, resinas, pigmentos y aditivos, color y colorimetría, formulación de pinturas, fabricación de pinturas, criterios de selección y utilización de pinturas, aplicación de pinturas, legislación, normalización, medio ambiente y seguridad. Después de cada capítulo figura un cuestionario que el alumno debe cumplimentar. Dicho curso terminará el 10 de junio de 2007, después de una semana presencial en Barcelona para prácticas y evaluación. El profesorado está formado por profesores universitarios y por profesionales con amplia y profunda experiencia industrial en los diferentes temas a impartir.

Para más información pueden dirigirse a:

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