

**MECHANICAL ENGINEERING DEPARTMENT
ME/IE 8773-8774**

**MAIN DEPARTMENT SERIES
Topic: GLOBALIZATION
Host: Joachim V.R. Heberlein**

ENGINEERING CHALLENGES AND OPPORTUNITIES OF GLOBALIZATION

by

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**Wednesday, October 5, 2005
3:30-5:00 p.m.
Room 3-180 EECS**

Coffee and cookies will be available at 3:15 p.m. in Room 3-176 EECS before and after the seminar

ABSTRACT — Current globalization trends afford many opportunities for breakthrough success, while concurrently posing major challenges to organizations and engineers trying to navigate these unpredictable waters. This seminar will attempt to discuss the impact of globalization on four broad areas, which include Food and Agribusiness, Movement of People and Assets, the Worker, and on Communications, particularly emphasizing the critical need for portability and integration of data, video and voice. We will try to examine how creative interdisciplinary engineering solutions are helping to solve significant customer problems and thereby fueling accelerated growth for a leading, innovative, Minnesota-based company, 3M.

BIO — Dr. Narayan is the Business Director for Latin America and Africa Regions responsible for all of 3M Safety, Security & Protection Services Businesses. He is based in St. Paul, Minnesota, U.S.A., and reports to the Executive Vice President, Jean Lobey. Dr. Narayan was born in India and has lived in USA for 30 years. He completed his M.S. Degree in Mechanical Engineering from Cornell University, New York and his Ph.D. in Mechanical Engineering from the Massachusetts Institute of Technology in Boston. He joined 3M in 1980 and has held several leadership appointments both in US operations and in International operations. For example, during 1993-1997, Dr. Narayan was the Managing Director for 3M Central American Region and lived with his family in Costa Rica. In his current assignment as Business Director for Latin America and Africa, Dr. Narayan is responsible for working closely with all 3M subsidiaries and customers for driving accelerated growth and achieving customer satisfaction in the Safety, Security & Protection Services Business Portfolio.

Informal Faculty Luncheon: Wednesday, October 5, 2005, 12:00 noon. Meet in 1100 ME and walk to lunch with other faculty. Dr. Sandy Narayan will be able to attend.