



IF AT FIRST YOU DON'T SUCCEED, TRY AGAIN AND TRY HARDER?/EASIER?

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Unilever, Hindustan Lever Research Centre, Bangalore
India

Friday 29th August 2008, 11:00 a.m. – 12:00 noon
Engineering Lecture Theatre E2

This presentation will discuss the value of elementary principles in solving many long-standing problems or addressing long-standing questions. The power of “undergraduate level” fundamentals will be demonstrated through (some of) the following examples:

- Warm-temperature mechanical properties of polymethyl pentene (also, deformation-limits of thermoplastic elastomers)
- Kinetics and mechanism of solid-state polymerization
- Rheology of plasticized/lubricated flow of high-density polyethylene
- Crystallization of linear polymers in anisotropic stress fields
- Symmetry considerations in mechanics of polymer fibers and fiber assemblies

Dr Abhiraman is currently Executive Director for Research of HLL and Vice President for Research of Unilever, India. He obtained his B.Tech. from the University of Madras in 1969, and Ph.D. in fibre and polymer science from the North Carolina State University in 1975. He joined the School of Chemical Engineering at Georgia Institute of Technology in 1979, and became a professor in 1988. He has taught a wide spectrum of polymer courses, ranging from chemistry and kinetics of polymerisation, through rheology and polymer processing, to structure-property relations and fibre science and engineering. Dr Abhiraman and his students have received many awards, including the 1987 Fibre Society Award for Distinguished Achievements in Fibre Science, 1995 S.G. Smith Memorial Medal of the Textile Institute, 1996 GT Outstanding Interdisciplinary Activity Award and 8 (of the 13) Fibre Society's Annual National Student Paper Competitions.

Visitors are most welcome: Please note the parking arrangements. There is a designated Visitors Car Park (N1) clearly ground-marked by white paint and tickets, at a cost of \$3/day, are available from a dispensing machine. ('Blue' permit designated areas are for Monash members only.). It is also possible to park at other designated Visitors Car Parks (E1, S1 and S2) on the Clayton Campus, but tickets are \$1.4/hour.

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