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SEMINAR
on

Two-Dimensional Modelling of Unreliable Systems

Speaker: Professor D.N.P. Murthy, The University of Queensland, Australia

Date: 10 April, 2004 (Saturday)

Time: 11:00 a.m. – 12:00 noon.

Venue: EA-06-02, Faculty of Engineering, NUS

Abstract: Bulk of the literature deals with one-dimensional modelling of unreliable systems where failures are modelled as a point process along one-dimension which usually represents time. For many systems, failures need to be modelled as points in a two-dimensional plane with time and usage being the two coordinates. The seminar will review the current status of such models and compare and contrast it with the one-dimensional case. It will then discuss some topics for research in the future.

About the Speaker: D.N.P. Murthy received his Ph.D. degrees from Harvard University in 1971. He is currently Professor (Personal Chair) of Engineering and Operations Management in the Department of Mechanical Engineering at the University of Queensland and a Senior Scientific Advisor to the Norwegian University of Science and Technology. He has held visiting appointments at several universities in the USA, Europe and Asia. In addition to his five books, he has authored or coauthored over 120 journal papers and 100 conference papers. He is a member of several professional societies and is on the editorial boards of seven international journals.

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