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**SEMINAR**  
on

**Supply Chain Management and Advanced Planning Systems**

**Speaker:** Professor Hans-Otto Günther, Technical University of Berlin

**Date:** 8 April, 2004 (Thursday)

**Time:** 3.00 – 4.00 pm

**Venue:** E1A 03-11

**Abstract:** The major intention of this paper is to provide an overview of Advanced Planning Systems (APS) as modern software systems for the support of supply chain management concepts in practice. APS represent comprehensive software systems, which provide capabilities that go far beyond classical MRP II systems. Major characteristics of APS are integral planning of the entire supply chain, application of mathematical models and algorithms, and a hierarchical planning approach, which sub-divides the entire planning problem into a number of smaller sub-problems and assigns them to different levels of a hierarchy. The main body of this paper presents the various modules of APS and illustrates their practical application using the software system SAP APO 3.1 as an example.

**About the Speaker:** Professor Dr. Hans-Otto Günther received his PhD from Free University of Berlin, Germany in 1981. He has been chair professor of Production Management at Technical University Berlin, Germany since 1993 and was Dean, Faculty of Business and Management, 2001-2003. He has held visiting professorship Visiting professorships at the University of Vienna (Austria), the University of Business and Economics, Vienna (Austria), Technical University Chemnitz (Germany), and the European Business Management School, University of Wales, Swansea (Great Britain). His papers have been published in International Journal of Production Research, European Journal of Operational Research (EJOR), OR Spectrum, Chemical Engineering and Technology, Computers in Industry, Production Planning and Control, International Journal of Production Economics, Engineering Costs and Production Economics. Prof Günther is Managing Editor of the journal “OR Spectrum: Quantitative Approaches in Management”.

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