

COLLOQUIUM

DEPARTMENT OF MATHEMATICS AND STATISTICS
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Managing an Automotive Supply Chain: Some Models, Methods,
and Research Issues

Abstract

Supply chain (supply network) is a set of linkages among many organizations, which are all involved in the provision of a given product to the final consumer. They typically comprise of manufacturers, parts suppliers, dealers, and logistic service providers. The importance of working together to efficiently and effectively meet the needs of the consumer continues to generate considerable interest in the corporate world as well as in academia. In this presentation, we will examine major issues that are pertinent to supply chain management research. Further, we will discuss some mathematical models and solution methods for addressing issues relating to inventory costs in an automotive supply chain. Limitations of existing models and methods as well as areas where extensions can be made will also be described.

372 Science and Engineering Building

Wednesday, 26th March, 2003

3:00 to 4:00 P.M.

**(Refreshment at 2:30 to 3:00 P.M. in Room 368,
Science and Engineering Building)**

About the speaker

Henry Aigbedo is an Assistant Professor of Production and Operations Management in the

School of Business Administration at Oakland University. He obtained B.S. and M.S. in Mechanical Engineering from the University of Ibadan, Nigeria and the University of Lagos, Nigeria, respectively. He also has M.S. and Ph.D. in Management Science and Engineering from the University of Tsukuba, Japan.

His industrial experience includes work as Trainee Engineer in the National Electric Power Authority and Bordpak Premier Packaging Company, both in Nigeria, and research tours of manufacturing facilities in Japan. Prior to joining Oakland University in the fall of 2000, he held faculty positions at the University of Tsukuba and Iowa State University. His main research interests are in the areas of just-in-time manufacturing systems, quality management, and supply chain management.

He is an active member of a number of professional organizations, including the Decision Sciences Institute, the Institute for Operations Research and Management Sciences (INFORMS), Japan Industrial Management Association, and Production and Operations Management Society.