



Operational Research Society of Singapore

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On

Color Petri Nets for Resource Allocation

Speaker: Lee Chul Ung, Industrial and Systems Engineering, NUS

Date: 20 March, 2003

Time: 5:30 p.m. to 7:30 p.m.

Place: Seminar Room, Faculty Club, NUS

Abstract: Color Petri Nets (CPN) are particularly suitable for two purposes: implementing control logics and analyzing performance. In this talk, two applications for CPN will be discussed. The first one is a deadlock prevention algorithm for manufacturing systems and the second one will be a performance analysis of warehousing operations for different resource allocation policies.

Speaker: Dr. Lee Chul Ung received his Ph.D. in Industrial Engineering from the Pennsylvania State University and holds B.S. and M.S. in Industrial Engineering from Seoul National University. His research and teaching interests include transportation network, facility layout and material handling, warehousing and order picking systems, and global supply chain optimization. Some of his papers appeared in international journals such as IIE Transactions, International Journal of Production Research, Journal of Manufacturing Systems and Computers and Operations Research.

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