



دانشگاه صنعتی شریف

دانشکده مهندسی صنایع

شماره پنجاه و یکم، سه شنبه ۲۸ آذر ۱۳۹۱ **خبرنامه الکترونیکی دانشکده مهندسی صنایع**

انجمن علمی صنایع برگزار میکند:

Supply Chain Innovation

Dr Javad Feiabadi

MIT-Malaysia Master of Science in Supply Chain Management (MSCM)

Time : 91 / 10 / 2 – 15:00

Place : Industrial Department – 4th floor

Resume:

Dr. Javad Feizabadi received his BS in Industrial Management, an MS majoring in Operations Research and PhD in Operations Management from the University of Tehran, Iran. During the period 2007-2008, he was involved in a study exploring the supply chain published in several international conferences and academic journals.

His major research areas are supply chain strategy, intersection between strategic management and supply chain management, and entrepreneurship in supply chain management. He has worked in the auto, mining and consulting industry. Dr. Feizabadi has been a visiting professor at the Massachusetts Institute of Technology (MIT). He is also a Research Affiliate with MIT."

انجمن علمی صنایع برگزار می کند:

Joint Pricing and Production Planning

Elham Mardaneh

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Iran University of Science and Technology.

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Abstract

Joint pricing and production decisions are crucial to the competitiveness of a company. The application that motivated this research is manufacturing pricing, where the products are non-perishable assets and can be stored to fulfil the future demands. A common assumption in production planning decisions is that the price is exogenous. However, changing price will have a significant impact on demand behaviour and hence on production plan. We consider a multi-product capacitated setting and introduce a demand-based model, where the demand is a function of the price. The key parts of the model are that the planning horizon is discrete-time multi-period and backorders are allowed. As a result of this, the problem becomes a nonlinear programming problem with the nonlinearities in both the objective function and some constraints. We develop an algorithm, which computes the global optimal production and pricing policy on a finite time horizon. We illustrate the application of the algorithm through numerical examples with both deterministic and stochastic price dependent demand.

Time : 91 / 10 / 3 - 15:00

Place : Industrial Department - 4th floor

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