

# Optimal Flow Control In Manufacturing Systems

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A hierarchical framework for the optimal flow control in manufacturing systems. In Proceedings of the Third International Conference on Computer Integrated Manufacturino, (pp. 278-2861. Trog, New York, 20-22 May, 1992.

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## **Optimal flow control for continuous-time scheduling in ...**

Flow controllers are useful both in the coordination of interconnected flexible manufacturing cells through distributed scheduling policies and in the hierarchical decomposition of the planning and scheduling problem of complex manufacturing systems. Optimal flow-control policies are hedging-point policies characterized by a generally intractable system of stochastic partial differential equations.

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In some cases, this is an optimal strategy. In other cases, a more cost-effective strategy is to react the waste with another chemical to make it sellable, or to render it inert. Rick Beaman, P.E., M.S.Ch.E., is senior chemical process engineer and senior associate with SSOE Group, an engineering, procurement, and construction management firm.

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