

Planning and Scheduling for Enterprise-Wide Optimization of Process Industries

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Sustainability has become a major goal in the process systems engineering(PSE). With the recent trend of developing more sustainable processes, enterprise-wide optimization(EWO) to achieve the optimal integration of the operations of supply, manufacturing and distribution activities is a new emerging area that lies at the interface of PSE. In this paper, we focus on planning and scheduling basic building blocks in EWO with respect to short-term scheduling of batch processes.