



INDUSTRIAL MANAGEMENT



Escuela Técnica Superior de
INGENIERÍA DE SEVILLA



Seminario Permanente en Diseño, Gestión y Optimización de Procesos
Industriales y de Servicios

*Seminar on Design, Management and Optimization of Processes in Industry
and Services*

“Some contributions to the production scheduling problems”

Bruno de Athayde Prata

Department of Industrial Engineering, Federal University of Ceará, Brazil

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Summary: Shop scheduling problems are widely studied optimization problems because of their industrial applications. In the last decades, variants of the flow shop scheduling problem and job shop scheduling problem have received a lot of attention from the researchers of production scheduling area. In this seminar, we will approach two other production environments: the hybrid flow shop and the open shop. Firstly, we will present a new variant of the hybrid flow shop scheduling problem considering machine blocking and both sequence-independent and sequence-dependent setup times. After that, we will present four variants of open shop scheduling problem considering setup times.