

INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE



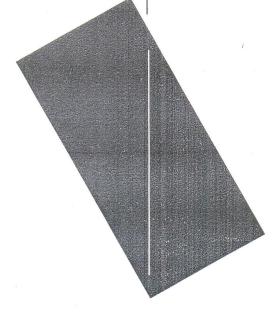
INDUSTRIAL ELECTRONICS SOCIETY



#### **PROCEEDINGS**

1995 INRIA / IEEE
Symposium on
Emerging Technologies
and Factory Automation

October 10 - 13, 1995 Paris, France



Tome 1

Seay

Session Invitée / Invited Session

# Advanced Issues in Industrial Scheduling

Président / chair : G. Neagu

#### **Invited Session Papers:**

## A Constraint-posting Framework for Scheduling under Complex Constraints

Cheng-Chung Cheng and Stephen F. Smith

The Robotics Institute, Carnegie Mellon University 5000 Forbes Avenue Pittsburgh, PA 15213-3890 USA

# Three Mechanisms for Managing Resource Constraints in a Library for Constraint-based Scheduling

Claude Le Pape

ILOG S.A.,

2 Avenue Gallieni, BP 85, F-94253 Gentilly Cedex, France

## Effective and Efficient Solution of Some Lot-Sizing Problems by Tabu Search

K. S. Hindi

Department of Computation, University of Manchester Institute of Science and Technology (UMIST)

P.O. Box 88, Manchester, M60 1QD, England

## An Integrated Approach for Loading, Routeing, and Scheduling in Flexible Manufacturing Systems

Kiyoshi Kato

Nihon Fukushi University 26-2, Higashihaemi-cho, Hanada, Aichi 475, Japan