

Courses

Mixed-Integer Programming/Disjunctive Programming Mixed-Integer Models for Planning, Scheduling

27rd and 28rd of January 2015



Prof. Ignacio Grossmann
Carnegie Mellon University

Prof. Ignacio E. Grossmann is the Rudolph R. and Florence Dean University Professor of Chemical Engineering, and former Department Head at Carnegie Mellon University. He obtained his B.S. degree in Chemical Engineering at the Universidad Ibero americana, Mexico City and his M.S. and Ph.D. in Chemical Engineering at Imperial College. He is director of the "Center for Advanced Process Decision-making" which comprises a total of 20 petroleum, chemical and engineering companies. Ignacio Grossmann is a member of the National Academy of Engineering, and associate editor of AIChE Journal and member of editorial board of Computers and Chemical Engineering, Journal of Global Optimization, Optimization and Engineering, Latin American Applied Research, and Process Systems Engineering Series.

Short Program

27th Jan 8.30 am – 17.00

Mixed-integer Programming and Disjunctive programming

Mixed-integer Linear and Nonlinear Programming; Logic-based optimization and Disjunctive Programming; Generalized Disjunctive Programming; Practice Session of Mixed-integer Modeling

28th Jan 8.30am – 17.00

Mixed-Integer Models For Planning, Scheduling

Introduction and Roadmap to Scheduling Problems; Discrete and Continuous Time Models; Supply Chain Models; Constraint Programming; Decomposition Methods for Planning and Scheduling: Lagrangean and Bi-level Methods

Registration :

Through registration form
and fee payment

Deadline: 20th January 2015

Fee : 50€

Includes coffee-breaks and
documentation

Location:

Alameda Campus
27th Jan, classroom P9
28th Jan, classroom QA1.1

More informations:

<http://apdio.pt/organizados-pela-apdio>
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