

BIO-PROCESS MODELING, SCHEDULING & OPTIMIZATION

Two-day course at DTU on August 25th and 26th, 2005

Offered by Dr. Demetri Petrides, the president of INTELLIGEN, INC.

Hosted by

Technical University of Denmark

BioCentrum - DTU

Bldg 210 - Room 152

DK 2800 Kgs Lyngby, Denmark

Combine it with [ECB12](#) in Copenhagen

For directions to the site and info on convenient hotels, please point your browser to www.intelligen.com/DTU2005.zip and click "Save" on the dialog that comes up.

WHO SHOULD ATTEND

The course is intended for scientists and engineers in the **Pharmaceutical, Biotechnology, Specialty Chemical, Food, and Consumer Product industries** that are interested in:

- * **Modelling and Optimisation of Batch and Continuous Processes**
- * **Cost Analysis & Project Economic Evaluation**
- * **Cycle Time Reduction and Throughput Analysis**
- * **Scheduling and Debottlenecking of Multi-Product Facilities**
- * **Pollution Prevention and Control**
- * **Water Purification and Wastewater Treatment**

The course includes theory on the above subjects and hands-on sessions with SuperPro Designer and SchedulePro from Intelligen, Inc. (www.intelligen.com). **SuperPro** is a comprehensive process simulator that facilitates modelling and optimisation of batch and continuous processes, cost analysis, cycle time analysis, environmental impact assessment, and other tasks. **SchedulePro** is a new application that handles scheduling, capacity analysis, and debottlenecking of multi-product facilities. It generates feasible schedules that do not violate constraints related to the limited availability of facilities, work areas, equipment, and resources.

Instructors at colleges and universities that teach **Biochemical Engineering, Pharmaceutical Engineering, Environmental Engineering, Process and Plant Design, Food Engineering**, and related courses are welcome to attend.

Intelligen's technology originated at the **Massachusetts Institute of Technology (MIT)** and has since been adopted worldwide. For a partial list of users, please point your browser to: <http://www.intelligen.com/clients.shtml>.

REGISTRATION FEE:

EFB members may attend the course for a reduced fee of 275 Euros (the regular fee is \$595). You may register by sending an e-mail message to Dr. Demetri Petrides. His email address is dpetrides@intelligen.com.

Refreshments and lunches are covered by the registration fee. You must make your own travel and lodging arrangements. All paying participants qualify to receive FREE OF CHARGE a copy of SuperPro LT. The list price is \$995/copy.

AGENDA FOR THE TWO-DAY COURSE

FIRST DAY

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MORNING SESSION

9:00 - 9:45 AM - Interface fundamentals
9:45 - 10:30 AM – Flowsheet development and initialisation
10:30 - 10:45 AM - Coffee Break
10:45 - 12:00 Noon - Material Balances & Equipment Sizing

12:00 - 1:00 PM - Lunch Break

AFTERNOON SESSION

1:00 - 2:00 PM - Process Scheduling & Resource Tracking
2:00 - 3:00 PM - Project Economic Evaluation
3:00 - 3:30 PM - Coffee Break
3:30 - 5:00 PM - Overview of Unit Operation Models

SECOND DAY

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MORNING SESSION

9:00 - 10:30 AM - Throughput analysis and Debottlenecking
10:30 - 11:00 AM - Coffee Break
11:00 - 12:00 Noon - Cycle Time Reduction
12:00 - 1:00 PM - Lunch Break

AFTERNOON SESSION

1:00 - 2:00 PM - Wastewater Treatment & Water Purification
2:00 - 3:00 PM - VOC Emission & Air Pollution Control
3:00 - 3:30 PM - Coffee Break
3:30 - 5:00 PM - Q&A and Miscellaneous Topics

For additional information please contact

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