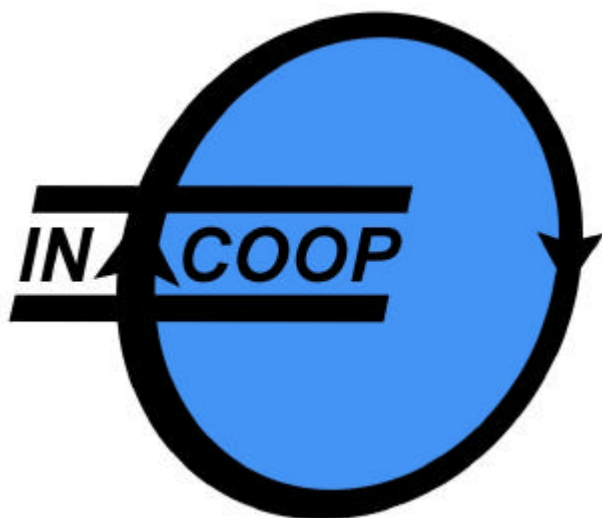# INCOOP WORKSHOP

Integrated control and dynamic optimization for the process industry

Organisational Details

January 23 – 24, 2003
Düsseldorf, Germany

PROGRAMME 23RD JANUARY

Time	Session
11:00	Welcome and introduction *Martin Friedrich, Bayer AG*
11:15	General scope, goals and overview of INCOOP *Ton Backx, IPCOS Technology*
12:15	Lunch
13:30	Invited lecture: Process modeling and model-based automation *Costas Pantelides, PSE Ltd.*
14:30	Real time dynamic optimization *Wolfgang Marquardt, RWTH Aachen*
15:15	Coffee break
15:30	State estimation and long horizon MPC for nonlinear industrial applications *Siep Weiland, TU Eindhoven*
16:15	Hybrid modeling and model reduction *Johan Grievink, TU Delft*
17:00	Coffee break
17:15	Industrial challenges and requirements for optimization and control of the Shell case study *Piet-Jan Brouwer, Shell International Chemicals*
17:45	Industrial challenges and requirements for optimization and control of polymerisation processes *Guido Dünnebier, Bayer AG*
19:45	Dinner

PROGRAMME 24TH JANUARY

Time	Session
08:30	Invited lecture: Plant-wide on-line dynamic modeling with state estimation *Philippe Hayot, Dow Chemicals*
09:30	INCOOP software architecture *Mario Balenovic, TU Eindhoven*
10:00	Start of software demonstration *Mario Balenovic, TU Eindhoven*
10:15	Coffee break
10:30	INCOOP methodology applied to Shell case *Adrie Huesman, TU Delft* *Peter Verheijen, TU Delft*
11:00	INCOOP methodology applied to Bayer case *Jitendra V. Kadam, RWTH Aachen*
11:30	Review of software demonstration *Mario Balenovic, TU Eindhoven*
12:00	Final discussion, vendors' and end users' viewpoint, audience feedback *Ton Backx, IPCOS Technology* *Chris Hawkins, MDC Technology*
12:45	Closing of the workshop *Ton Backx, IPCOS Technology*

DETAILS

Venue
The workshop will take place at
Telekom Tagungszentrum   Room Heinrich Hertz
Sohnstr. 45
D- 40237 Düsseldorf
Tel.: ++49/211-677 21 70   Fax.: ++49/211-6772179

Travel directions
Take the bus 834 from *Haupbahnhof* heading for
Belsenplatz and exit at *Sohnstr.* (10 min).
For travel directions please also check maps on the
following pages.

Hotel
Dorint Hotel
Stresemannplatz 1
D-40210 Düsseldorf
Tel.: ++49/211-35 54 0   Fax..: ++49/211-35 41 20

Dinner
The workshop dinner will be held at
Brauerei Schumacher
Oststr. 123
40210 Düsseldorf
Tel.: ++49/211-828 90 20   Fax..: ++49/211-13 48 62
Meeting point is the hotel lobby at 19:30 on the 23rd, the
restaurant is only a few steps away.

Bus transfer
A bus transfer from the conference venue to the hotel
after the first day (departure 18:45) and from the hotel
to the conference venue an the second day (departure
07:45) has been arranged.

MAPS