

Gas Technology Center
NTNU-SINTEF

Petronics Workshop

2004

*Joining Petroleum, Multiphase Flow, Chemical
and Control Engineering*

June 15 and 16, 2004

Trondheim, Norway

Background

Multiphase flow is an area of significant importance within the oil and gas industry. Knowledge on multiphase flow modeling, tools for simulating the dynamic behavior in multiphase flow lines and experimental facilities are constantly being improved in order to facilitate new field development concepts, with new technological solutions.

There are substantial research and technology development efforts taking place on the borderline between multiphase flow modeling and control. Oil companies, engineering and supply companies, as well as university research groups are active within this field.

The purpose of the workshop is to bring together people with experience in multiphase modeling, petroleum production and control engineering, in order to exchange ideas and experiences, and to discuss directions for further work.

Short presentations will be given by industry and by research groups covering field tests, experimental work as well as theoretical results. The workshop will be informal, allowing time for discussions on status and future trends on solving flow assurance challenges with the assistance of control engineering.

The workshop is sponsored by the Gas Technology Center NTNU-SINTEF and the Petronics program (the Research Council of Norway, ABB AS and Norsk Hydro ASA).

The organizing committee consists of Professor Bjarne A. Foss and Professor Ole J. Nydal. PhD student Gisle Otto Eikrem will act as workshop secretary.

Invitation

You are invited to attend the workshop in Trondheim. This is an opportunity to become updated on current research activities and also to share your own views with researchers and colleagues.

Should you wish to give a short presentation on particular issues of your concern (10-20 minutes), then please contact Gisle Otto Eikrem at the address below as soon as possible.

Venue

The workshop will be held at NTNU in Trondheim, Norway on June 15 and 16, 2004. It will be a two-day event starting at noon one day and finishing at lunch the next day.

You are also invited to attend a dinner on the evening of the first day.

Registration

More information on the Petronics program and the Gas Technology Center can be found on our web pages <http://www.petronics.ntnu.no> and <http://www.ntnu.no/gass>, respectively.

Any questions related to the workshop can be addressed to Gisle Otto Eikrem, Gisle.Otto.Eikrem@itk.ntnu.no

Registration can be done by email or phone to Unni Johansen at the reception:

Phone : +47 73 59 43 76

Fax : +47 73 59 43 99

Email : Unni.Johansen@itk.ntnu.no

The number of participants will be limited.

Petronics Workshop Day 1	15.06.2004 13:00 to 18:45		
Session 1 - Research at NTNU			
Lunch	All		13:00
Introduction	Morten Dalsmo (ABB)		14:00
Dep. Petroleum Engineering and Applied Geophysics	Michael Golan		
Industrial Process Engineering Group	Ole Jørgen Nydal		
Introducing NetLab Visit to the Multiphase Flow Laboratory	Ole Jørgen Nydal		
Break			15:45
Fluids Engineering Group	Tor Ytrehus		16:00
Dep of Engineering Cybernetics	Bjarne A. Foss		
Dep of Chemical Engineering	Sigurd Skogestad		
Dinner	All		20:00

A preliminary list of speakers for day 2 is given below

Petronics Workshop Day 2		16.06.2004 08:30 to 13:30
Session 2 – The Industrial Perspective		
Introduction	Ruben Schulkes (Norsk Hydro)	08:30
Statoil	Jan Richard Sagli	
ABB	Morten Dalsmo	
Norsk Hydro	Ruben Schulkes	
FMC	Dag Ljungquist	
Epsis	Jan-Erik Nordtvedt	
Closing remarks	Bjarne A. Foss	
Lunch		12:45