

PSE Japan User Meeting 2006

Agenda

19-20 September 2006 The British Embassy New Hall, Tokyo



The second **PSE Japan User Meeting** will be held at the British Embassy New Hall in central Tokyo on 19 and 20 September 2006.

The event is open to both existing and prospective industrial users of PSE's **gPROMS** Advanced Process Modelling (APM) software and **ModelCare** Model-Based Innovation (MBI) services, as well as to personnel and researchers from universities.

PSE is a leader in **Advanced Process Modelling** and **Model-Based Innovation**. These technologies use high-accuracy mathematical models of process equipment and phenomena to provide high-quality information for decision support of process innovation, design and operation.

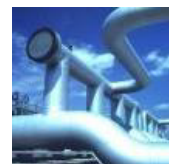
This results in *faster innovation, improved designs of processes and products, enhancement of existing operations and more effective R&D experimental programmes.*

The programme includes speakers from Japanese process industry companies Mitsubishi Chemical, Maruzen, Ebara and research institute AIST. In addition, PSE personnel including Professor Costas Pantelides, CEO of PSE and Professor at Imperial College London, describe the latest developments and applications in these areas.

Presentations at the User Meeting will focus on the application of APM and MBI to areas such as design of new reactors, crystallisers, catalysts, fuel cell systems and complex separation processes.

The event includes an evening drinks reception and buffet dinner at the British Embassy.

We look forward to seeing you at the meeting.



Address & directions

The venue location and contact details are:

British Embassy
New Hall
1 Ichiban-cho
Chiyoda-ku Tokyo 102-8381



With thanks to Google

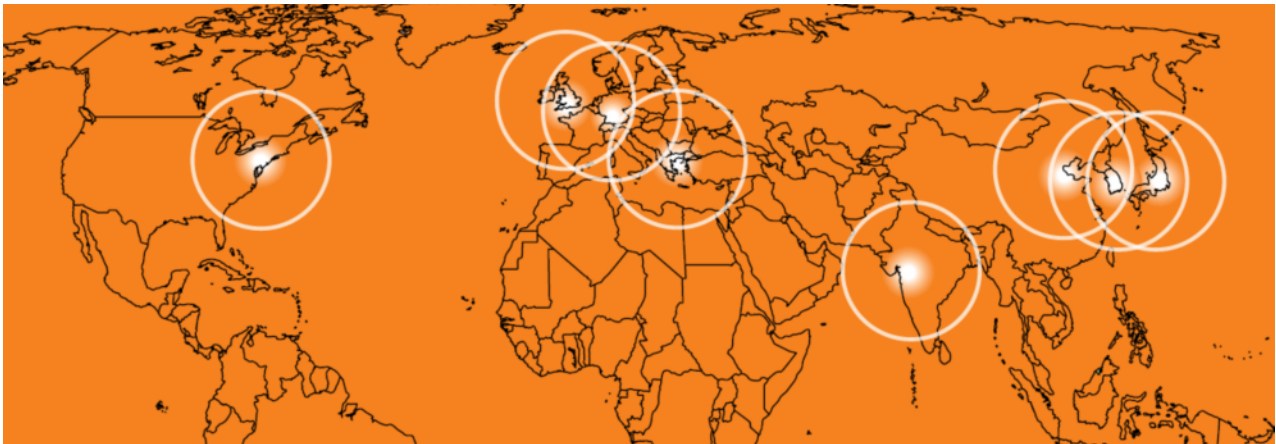
The model company

Agenda

Day 1	Tuesday 19 September (afternoon)	
14:00	Registration	
14:30	Welcome and introduction	Dr Takeshi Ishikawa
14:45	Opening remarks	Professor Costas Pantelides
	Session 1 – Customer presentations 1 PSE customers Maruzen and Ebara describe how Advanced Process Modelling is being applied within their organisations to help gain competitive advantage by use of high-quality predictive information.	
15:00	Maruzen Petrochemical – Light naphtha cracking and other projects Mr Iuchi describes how Maruzen Petrochemical, a key customer of PSE’s Consulting services in Japan, uses APM as a key component of a re-engineering effort to reform R&D processes for research, design and production. He describes a cross-section of applications where modelling has helped to enhance production significantly.	Mr Kensuke Iuchi
15:45	Refreshments	
16:15	Ebara Corporation – Pyrolysis in fluidised beds Mr Morozumi describes the application of APM to pyrolysis of polymerising compounds of cracking heavy oil in Internally Circulating Fluidised-bed Gasifier (ICFG) equipment, using particle population balances.	Mr Fumiaki Morozumi
17:00	Drinks reception and buffet reception at the British Embassy	
19:00	Finish	

Day 2	Wednesday 20 September	
09:15	Start	
09:15	Session 2 – gPROMS Version 3.0 Japan launch PSE Managing Director Prof. Costas Pantelides provides an overview of gPROMS technology, and describes the new capabilities of gPROMS v3.0 , a major upgrade to the technology-leading gPROMS Advanced Process Modelling (APM) environment. He also describes recent advances in the	Professor Costas Pantelides

	emerging technology of Model-Based Innovation.	
10:30	Refreshments	
	Session 3 – Customer presentations 2	
11:00	<p>Mitsubishi Chemical Corporation</p> <p>Mr Kubo describes applications of gPROMS Advanced Process Modelling in the design and development of chemical processes, and how these help MCC to remain leading innovators in the Japanese and worldwide chemical industry.</p>	Mr Kazuya Kubo
11:45	<p>AIST – Heat-integrated distillation</p> <p>AIST uses gPROMS for research and development activities in the emerging technology of Heat-Integrated Distillation Columns (HIDiC), a technology that can save up to 60% of distillation energy costs.</p>	Dr Keigo Matsuda
12:30	Lunch	
	<p>Session 4 – Model-Based Innovation</p> <p>Model-Based Innovation is being used to fast-track process and product innovation and development, as well as to bring new levels of understanding to complex processes.</p>	
14:00	<p>Model-Based Innovation in the pharmaceutical industry</p> <p>MBI techniques first applied within the chemical industry are now finding application in many other sectors. Hear how major UK and American pharmaceutical manufacturers are beginning to apply MBI to enhance primary production processes such as lactose crystallisation and to improve scale-up of processes generally.</p>	Professor Costas Pantelides
15:00	<p>Model-Based Safety Engineering</p> <p>Model-based techniques are increasingly being used both to engineer safety into process design and operations, and to investigate what went wrong and why in the case of accidents. This presentation describes the application of modelling to safety design and risk analysis, and the analysis of last year's fatal Texas City Refinery accident in the US.</p>	Mr Zbigniew Urban
15:55	Concluding remarks	Professor Costas Pantelides
16:00	Finish	



PSE offices

UK Head office

Process Systems Enterprise
Bridge Studios
107a Hammersmith Bridge Road
London W6 9DA, United Kingdom

t: +44 (0)20 8563 0888
e: info@psenterprise.com

PSE Americas

Process Systems Enterprise
89 Headquarters Plaza North
4 Speedwell Avenue, Suite 1403
Morristown, NJ 07960, USA

t: +1 973 993 1850
e: info-us@psenterprise.com

PSE Central Europe

Process Systems Enterprise
Merlostr. 12
50668 Köln, Germany
t: +49 221 167989-11
e: info-de@psenterprise.com

PSE Japan

Process Systems Enterprise
F-9 Yokohama Business Park
West Tower 11th Floor
134 Godo-cho, Hodogaya-ku,
Yokohama, 240-0005, Japan

t: +81 (0)45 348 6330
e: info-jp@psenterprise.com

PSE Academic

Thermi Business Incubator
9th km Thessaloniki-Thermi
Thessaloniki-Thermi, 57001 Greece

t: +30 (0)2310 489 108
e: PSE_Academic@psenterprise.com

Agents

China: TOP Computer Engineering

2-16 No. 1 Wangfu Street
Pingxifu, ChangPing District
Beijing 102209,
People's Republic of China

t: +86 (0)10 8178 3452
e: info-cn@psenterprise.com

Korea: UIT Corporation

Suite # 501 Taeyang21 Building
#832-21 Yeoksam-dong
Gangnam-gu
Seoul, 135-080
South Korea

t: +82 (0)2 587 2303
e: info-kr@psenterprise.com

India: Indiasoft Technologies

E-Wing, Parmar Trade Center
12 Cannought Road
Pune 411001
India

t: +91 (0)20 5600 2395
e: info-in@psenterprise.com