Press release

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Life Sciences to top bill at 2012 Advanced Process Modelling Forum

Pfizer, Eli Lilly, GSK, TNO, Rutgers ERC-SOPS, Imperial College to present

LONDON, 16 April 2012 --- Life Sciences will be a strong feature of this week's Advanced Process Modelling Forum in London, with presentations from Pfizer, Eli Lilly, GSK, TNO, the Rutgers University ERC-SOPS consortium and Imperial College London.

Ravi Shanker, Senior Research Fellow at Pfizer, will deliver the keynote on Pfizer's vision for Systems-based Pharmaceutics, a revolutionary model-based approach for optimising drug manufacturing by taking a holistic view that encompasses both biological effects in the human body and drug process and product engineering.

The forum, aimed at senior business and technology decision makers in process industries such as pharmaceuticals, oil & gas, power generation, chemicals, petrochemicals, food and minerals & mining, is a key event for process industry companies focused on creating sustainable value through the application of high-accuracy predictive modelling. It is organised by Process Systems Enterprise (PSE), a leading supplier of Advanced Process Modelling technology and services.

In a dedicated Life Sciences session, GSK, Eli Lilly, TNO, Rutgers University and Imperial College will present the application of model-based techniques to enhance manufacturing process design and scale-up, optimise operations, accelerate process innovation and manage new technology risk, with a focus on laboratory-to-industrial-process workflows for reducing time-to-market for new developments.

Other companies presenting include Shell, where XTL technology manager Jan van Schijndel will deliver the Oil & Gas and Petrochemicals keynote on Shell's gas-to-liquid (GTL) developments in Qatar, plus SABIC, SASOL, Süd-Chemie, Sulzer Chemtech and the Energy Technologies Institute (ETI).

Organiser Mark Matzopoulos, PSE's COO, says "advanced process modelling is about using predictive models to explore the design space rapidly, reduce uncertainty and make better, faster and safer decisions. Traditionally this has been the preserve of more 'conventional process' industries such as Oil & Gas, but we have a very strong Life Sciences element at this year's Forum. Expect some exciting announcements in this area."

Pharma companies are adopting the technology rapidly to accelerate value creation as part of Quality-by-Design (QbD) approaches, in particular by facilitating the move from batch to continuous processing and optimising solids process design and operation.

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About Process Systems Enterprise Ltd

PSE (www.psenterprise.com) is the world's foremost provider of Advanced Process Modelling software and services to the process industries. Advanced Process Modelling is transforming the way that process companies

design and operate processes by enabling better, faster and safer design and operating decisions and reducing uncertainty.

Use of PSE's technology and services results in faster innovation, improved designs of processes and products, enhancement of existing operations and more effective R&D and experimental campaigns. It also facilitates capture and transfer of corporate knowledge across the organisation. Results are achieved with relatively low investment compared to alternative approaches – where these exist – with rapid return on investment.

PSE's global customer base of Fortune 500 process industry companies is served by operations in the UK, USA, Germany, Japan and Korea, and agencies in Saudi Arabia, China, Thailand, Malaysia and Abu Dhabi. PSE is a spin-out of Imperial College London, and its software is also used for research and teaching in some 200 universities around the world.

The company's own ability to innovate was recognised with the award of the prestigious Royal Academy of Engineering MacRobert Award for Engineering Innovation, the highest UK engineering prize.

About gPROMS

gPROMS® is the world's leading advanced process modelling environment. gPROMS models are used to explore the design or operational decision space to provide accurate predictive information for decision support. This helps companies reduce time-to-market for new processes or products, manage development risk, improve designs, enhance production, reduce capital and operating expenditure and ensure better compliance with safety, health and environmental requirements.

The package is applied in all sectors of the process industries, with particular focus on modelling of complex operations such as reaction, separation, crystallisation and polymerisation. PSE also supplies a range of process engineering tools built on the gPROMS platform, including gFUELCELL®, gSOLIDS®, gCRYSTAL® and gFLARE®.

gPROMS is applied across the process lifecycle and at multiple scales, from laboratory experimentation, through process and detailed design, to online operation, and is central to a model-based engineering approach. PSE is committed to maintaining gPROMS at the leading edge of process modelling technology