Press release

IMMEDIATE RELEASE
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PSE call for submissions for €5000 Model-Based Innovation prizes
Best use of gPROMS advanced process modelling in support of research

LONDON, 5 May 2010 --- Process Systems Enterprise (PSE), provider of the industry-leading gPROMS advanced process modelling software and model-based engineering services, today announced the opening for 2010 submissions for the prestigious PSE Model-Based Innovation Prize.

PSE awards annual prizes totalling €5000 – a winner's prize of €3000 and two runners-up prizes of €1000 each – for the best published papers in which gPROMS is used to generate research results in a novel area of application or technology.

PSE is a leader in the emerging field of Model-Based Innovation (MBI), in which high-fidelity mathematical models of processes and products are used to accelerate innovation and reduce technology risk. MBI helps to integrate R&D activities with engineering design, resulting in optimised process design and operation and reduced costs.

gPROMS is the world's leading modelling environment for such applications, and is widely used throughout the chemicals, energy, petrochemical, food and pharmaceuticals sectors. It is also used to support academic research in some 200 academic organisations around the world.

The 2009 prize was won by a team from the Instituto Superior Técnico of Lisbon, Portugal for their paper "Dynamic modelling and simulation of a heated brine spray system", published in Computers and Chemical Engineering in February 2009.

Researchers using gPROMS in support of research published or to be published between 1 July 2008 and 30 June 2010 are invited to submit a paper for the 2010 prize using the form on the PSE website (www.psenterprise.com). The prize is open to applicants from industry as well as academia.

Submissions will be judged by the panel of three leading academics in the field of Process Systems Engineering: Professor Stratos Pistikopoulos (Imperial College London), Professor Rafiqul Gani (Technical University of Denmark) and Professor Michael Georgiadis (University of Western Macedonia, Greece). Prizes will be awarded at the 2010 AIChE Annual Meeting in Salt Lake City.

Mark Matzopoulos, Chief Operating Officer of PSE, says "As a company closely involved in research and innovation throughout the process industries, we are keen to recognise and foster the efforts of others who are doing the same."

Further information

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Editors' materials: www.psenterprise.com/news/pr100505.html

About Process Systems Enterprise Ltd

PSE (www.psenterprise.com) is one of the world's foremost providers of advanced process modelling (APM) software and model-based engineering (MBE) services to the process industries. APM uses high-fidelity predictive mathematical models of process equipment and phenomena to provide accurate numerical information for decision support in process innovation, design and operation.

Use of PSE's technology and services within MBE programmes results in faster innovation, improved designs of processes and products, enhancement of existing operations and more effective R&D and experimental programmes. Results are achieved with relatively low investment compared to alternative approaches – where these exist – with rapid return on investment and transfer of modelling know-how to industry.

PSE's global customer base of process manufacturing companies and their technology suppliers is served by operations in the UK, USA, Germany, Japan and Korea, and agencies in India and Saudi Arabia. PSE is a spin-out of Imperial College London, and its software is used in some 200 research organisations around the world.

The company's own ability to innovate was recognised with the receipt of the prestigious 2007 Royal Academy of Engineering MacRobert Award for Engineering Innovation.

About the PSE Model-Based Innovation Prize

The annual PSE Model-Based Innovation Prize comprises a €3000 winner's and two €1000 runners-up prizes awarded to the authors of the best paper whose results are substantially based on results obtained using PSE's gPROMS advanced process modelling environment.

The MBI prize is open to researchers from industry, academia and research organisations. The judges favour research that focuses on novel areas of process and related technology or novel approaches to traditional process areas, as well as applications that have a positive impact on society and the environment. The prize is awarded at a major chemical engineering event each year.

About gPROMS

gPROMS® is the world's leading advanced process modelling (APM) environment. It is used to provide high-quality information for decision support in innovation, design and operation across all sectors of the process industries, with particular focus on modelling of complex operations such as reaction, separation, crystallisation, polymerisation, pressure relief and fuel cell processes, where PSE supplies state-of-the-art model libraries.

Companies apply gPROMS to reduce time-to-market for new processes or products, improve designs, enhance production, reduce capital and operating expenditure and comply more effectively with safety, health and environmental requirements.

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

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