Press release

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

LONDON, 25 June 2013 --- Process Systems Enterprise (PSE), provider of the industry-leading gPROMS advanced process modelling platform and model-based engineering services, today announced the opening for submissions for the prestigious 2013 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 family products are used to generate research results in a novel area of application or technology.

PSE is a leader in the fields of Model-Based Engineering (MBE) and 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, reduced costs and timescales and higher R&D efficiency.

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

The 2012 main prize was won by Viviana Silva, Carla Pereira and Alírio Rodrigues of the University of Porto, Portugal, for their paper *PermSMBR—A New Hybrid Technology: Application on Green Solvent and Biofuel Production,* published in the AIChE Journal of July 2011.

Anyone using gPROMS family products in support of research published between 1 July 2011 and 30 June 2013 is invited to submit a paper for the 2013 prize via the PSE website (www.psenterprise.com) by 15 July 2013. 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 2013 AIChE Annual Meeting in San Francisco.

Mark Matzopoulos, PSE deputy MD, 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/pr130625.html

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. Companies apply advanced process models to explore the process decision space rapidly and effectively, in order to reduce uncertainty and make better, faster and safer design and operating decisions.

Use of PSE's technology and services results in faster innovation, improved process and product designs, enhanced operations, reduced risk, more effective R&D and experimental campaigns and better capture and transfer of corporate knowledge across the organisation. Results are achieved with relatively low investment compared to alternative approaches, with rapid returns.

PSE's global customer base of Fortune 500 process industry companies is served by operations in the UK, USA, Japan and Korea, and agencies in Saudi Arabia, China, Thailand and Malaysia. PSE is a spin-out of Imperial College London, and its software is used for research and teaching in over 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 platform. It provides the underlying modelling, solution and optimisation engine for PSE's gPROMS family of products: general process engineering tools that include gPROMS ModelBuilder and the Advanced Model Libraries for reaction and separation; and sector-specific gPROMS family products that include gSOLIDS®, gCRYSTAL®, gCCS®, gFUELCELL® and gFLARE®.

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.

gPROMS family products are applied in all sectors of the process industries, with particular focus on modelling of complex operations such as reaction, separation, and polymerisation, and across the 'process lifecycle' at multiple scales, from laboratory experimentation through process and detailed design to online operation.

PSE is committed to maintaining the gPROMS platform and the products built on it at the forefront of process modelling technology.