We are pleased to announce that the winners of the prestigious PSE Model-Based Innovation (MBI) Prize for 2013 are **Marianthi Ierapetritou, Fani Boukouvala, Vasilios Niotis, Rohit Ramachandran** and **Fernando Muzzio** of **Rutgers University**. Their paper, *"An integrated approach for dynamic flowsheet modeling and sensitivity analysis of a continuous tablet manufacturing process,"* was published in *Computers and Chemical Engineering.* Marianthi is the current Vice-President of CACHE.

This paper presents an excellent gPROMS application for building a flowsheet model for two production schemes for pharmaceutical tablets. gPROMS has been used for: (i) model development for a variety of powder unit operations, (ii) integration and simulation of the developed models obtained from literature in gPROMS and (iii) dynamic sensitivity analysis of the developed flowsheet simulation for the identification and quantification of critical sources of uncertainty. The judges summarized the research presented in the paper as "an excellent piece of work that demonstrates gPROMS's advanced capabilities in high-fidelity modeling of solids processes, including the integration of models obtained from literature, and the ability to use the developed flowsheet models to perform dynamic sensitivity analysis simulations for the identification and quantification of critical sources of uncertainty."

The prize was judged by a team of leading academics in the field of process systems engineering, Professors Stratos Pistikopoulos (chair) of Imperial College London, Rafiq Gani of TU Denmark (Lyngby) and Michael Georgiadis of the Aristotle University of Thessaloniki. gPROMS is widely used throughout the chemicals, energy, petrochemical, food and pharmaceuticals sectors, including some 200 academic organisations. Mark Matzopoulos, deputy MD, says "Because of our Imperial College origins, PSE has a strong history of working with academic communities around the world to foster innovation, through our academic licensing programme, the MBI Prize and our Partnership for Advanced Process Modelling. We congratulate our winners on the quality of their work."