

# PSE Consortium Poster Sessions

## June 30, 2006

Title	Presenter(s)
"Optimization of Fed-Batch Yeast Fermentation using Dynamic Flux Balance Models"	Mike Henson
"Population Balance Equation Modeling of Pharmaceutical Emulsions Prepared with High Pressure Homogenization"	Mike Henson
"Crystallization of Macromolecules using High-throughput Microfluidic Systems"	Li May Goh
"Selective Crystallization of Metastable Polymorphic Crystals through Concentration Control"	Nicholas Kee
"Braatz Research Group: Multiscale Systems Engineering"	Ashlee Ford
"Modeling Ire1p Regulation and Activation in the Yeast UPR"?	Scott Hildebrandt
"Sensitivity Analysis of Mammalian Circadian Clocks"	Henry Mirsky
"Controlling the shape of PSD in emulsion polymerization: Model based approaches"	Mustafa Dokucu
"Plantwide optimization and control of pulp and paper mills"	Mehmet Mercangoz, Frank Doyle
"Sensitivity Analyses of Biomolecular Systems"	Rudi Gunawan, Stephanie Taylor, Henry, Neda Bagheri, Frank Doyle
"Control of Biological Clocks: Resetting Phase to Optimize Performance"	Neda Bagheri, Jorg Stelling, Frank Doyle
"Evaluation of time-series gene expression data to investigate the unfolded protein response in <i>S. cerevisiae</i> "	Theresa Yuraszeck
"Building a Model Predictive Controller for wet granulation; model reduction and validation"	Constantijn Sanders
Modeling and Control in Diabetes Mellitus	Cesar C. Palerm, Rachel Gillis, Matthew W. Percival, and Frank Doyle

<b>Title</b>	<b>Presenter(s)</b>
Optimal Operating Policies for Process Chemistries with Multiple Chemical Reactions	Derek W. Griffin, Duncan A. Mellichamp, and Michael F. Doherty
Examination of Crystal Nucleation and Polymorph Transitions through Molecular Dynamics Simulations of Model Particles	Andrea L. Robben, Robert M. Farina, Glenn H. Fredrickson, and Michael F. Doherty
Crystal Engineering for Product & Process Design	Jacob Sizemore