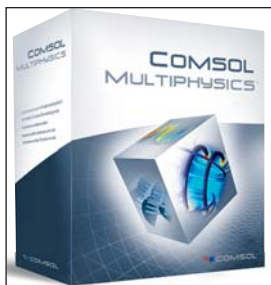


CEP Showcase

Chemical Engineering Modeling Tool

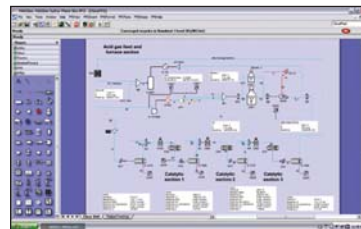


COMSOL Multiphysics® comprises a powerful, unique environment for modeling momentum, heat and mass transport coupled to chemical reactions. Now you can model fluid flow, gas flow and incompressible turbulent flow using a single tool! COMSOL Multiphysics' key features include: simultaneous solving of an arbitrary number of coupled nonlinear PDEs and state-of-the-art solvers for linear and nonlinear stationary and time-dependent problems in 1D, 2D, and 3D. **Tel: 781-273-3322; www.comsol.com**

and nonlinear stationary and time-dependent problems in 1D, 2D, and 3D. **Tel: 781-273-3322; www.comsol.com**

Reader Service Number 150

VMGSim™ Advanced Process Simulation



Process Simulation Software models refining, chemical and oil/gas processing. Now includes support for Sulfur plants and Amine treating modeling. Write custom reactor kinetics without programming knowledge. Create custom unit operations and economic models

embedded in your process model using the embedded Excel™ operation. Embed HTRI Xchanger Suite™ or HTC STX/ACX™ exchanger ratings in the process model. Completely interactive, bidirectional simulation environment. **For more information visit our website at www.virtualmaterials.com**

Reader Service Number 151

Proceedings of the AIChE Spring Meeting and 5th World Congress On Particle Technology



The proceedings of the AIChE Spring Meeting and 5th World Congress on Particle Technology are now available for purchase. This boxed 2-CD set contains over 1,400 technical papers and includes more than 700 papers from the 5th World Congress on Particle technology, in addition to the papers from the 2nd Global Congress on Process

Safety and the 18th Ethylene Producers Conference. Organized in an easy-to-use and fully searchable format, the proceedings cover more than 250 technical sessions and 16 topical conferences. The cost for individual use is \$120. The proceedings can be purchased online at <http://shop.omnipress.com> or by calling Omnipress at 800-828-0305 or 608-246-2600 (international callers) or faxing 608-246-4237.

Reader Service Number 152

Piping Design Software



Chemstations has released CC-SAFETY NET for piping networks and safety relief systems, including two phase venting. These systems can be studied in a steady state or dynamic

mode. The calculations use the core components of the CHEMCAD simulator: a full physical property database and set of thermodynamic options for calculating phase equilibrium; this sets CC-SAFETY NET apart and gives users distinct, bottom-line advantages.

Visit us, <http://www.chemstations.net>, or call us, 800-243-6223.

Reader Service Number 153



Get noticed

Place Your Ad Here for Only \$800

All ads are 1/8 page, four-color, & include typesetting at no additional charge

Reach Nearly 35,000 Chemical Engineering Industry Professionals

Call your local sales representative today, see p. 63 for contact information or visit www.cep magazine.org