

**VMGSim™**  
Integrated Steady State  
and Dynamic Simulation.



Easily create process models of refining, chemical and oil/gas processing to troubleshoot, design or optimize your plant. Create steady state models, size and rate vessels, columns and heat exchangers. Add your control system to the model and click a button to run dynamically. Use the dynamic wizards to create and run dynamic depressuring and blowdown studies and model multistage compressors and antisurge control. Create custom unit operations and economic models embedded in your process model by dragging the Excel operation onto your PFD. Graphical User interface driven by embedded Visio. Completely Interactive, bidirectional simulation solver.

For more information  
visit our website at  
[www.virtualmaterials.com](http://www.virtualmaterials.com)



[www.aiche.org/cep](http://www.aiche.org/cep) or Circle No. 150 on p. 80



Midland Engineering, Ltd.

Specializing in.....

- ✓ Early Stage Process Evaluation
  - Process Definition
  - Preliminary Design
  - Process Flow Diagrams and Material Balances
  - Process Optimization
  - Early Stage Capital Estimates
  - Preliminary Economics
- ✓ Process Safety Analysis
  - Process Safety Management
  - Process Hazard Analysis
  - Individual Element Expertise
  - Responsible Care
  - Reactive Chemicals Expertise
  - LOPA
  - Auditing Services
  - PSM
  - RCMS
- ✓ Project Management
- ✓ Process Control
- ✓ Process Reliability
- ✓ Process Optimization
- ✓ Waste Reduction

*Engineers with EXPERIENCE.  
We get the job done right and on time!*

Ph. 989 837 2296 or [www.mideng.com](http://www.mideng.com)

[www.aiche.org/cep](http://www.aiche.org/cep) or Circle No. 151 on p. 80

One name rises to  
the top for **FOAM CONTROL**



**TAYLOR CHEMICAL** produces a complete line of SILICONE DEFOAMER COMPOUNDS & RELEASE EMULSIONS manufactured to exacting specifications. Available in technical, food, EPA & Kosher grades. Environmentally friendly. Our response time to customer shipment requirements is unrivalled. So is our value. Call **TAYLOR CHEMICAL CO., the anti-FOAM EXPERTS.**

Call: 770-339-4460  
800-822-4460  
Fax: 770-339-4464

[www.TaylorChemical.com](http://www.TaylorChemical.com)

[www.aiche.org/cep](http://www.aiche.org/cep) or Circle No. 152 on p. 80



Designed to monitor high, intermediate or low point-level detection on dry bulk solids as well as liquids or slurries, the **Dynatrol®** Level Detectors are available in corrosion-resistant coatings. The compact, rugged detectors are built in the USA and are solidly constructed for a long operating life. They have no moving parts, require no adjustments and are virtually wear-free – delivering a worry-free solution for your demanding service conditions.

Request your copy of  
the latest **Dynatrol®**  
catalog - on CD!



Covers the complete **Dynatrol®** line of level switches & detectors, on-stream process analyzers, measurement & control instruments and a new line of accessories. Includes detailed drawings, wiring diagrams, and examples of proven uses.

Automation Products Inc  
3030 Maxroy St  
Houston TX 77008  
800 231-2062  
sales@dynatrolusa.com  
[www.DynatrolUSA.com](http://www.DynatrolUSA.com)

[www.aiche.org/cep](http://www.aiche.org/cep) or Circle No. 153 on p. 80

**Free COMSOL  
Conference CD**



COMSOL®, Inc. is now offering a free copy of the 2008 edition of the User Presentations CD! The CD is a compilation of over 250 user contributed slides, papers and models presented at the Boston and Grenoble Conferences. This unique presentation and proceedings CD covers a wide variety of applications including Chemical Engineering, Fluid Dynamics, Heat Transfer, Reaction Engineering and much more.

Request your complimentary copy at  
[www.comsol.com](http://www.comsol.com); Tel: 781-273-3322



[www.aiche.org/cep](http://www.aiche.org/cep) or Circle No. 154 on p. 80



**The Proceedings of the 2008 AIChE Spring Meeting** are now available for purchase. This CD-ROM contains more than 700 technical papers and abstracts. Organized in an easy-to-use and fully searchable format, the proceedings cover more than 120 technical sessions and a dozen topical conferences. The cost for individual use is \$130 plus shipping. These proceedings, as well as other AIChE conference 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.

[www.aiche.org/cep](http://www.aiche.org/cep) or Circle No. 155 on p. 80