



The Catalyst Group Resources

(a member of *The Catalyst Group*)

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PRESS RELEASE . . .

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Going to Zero Sulfur: Challenges & Progress

The study was produced as the final of three annual in-depth technical reports written by leading scientists and experienced industry professionals and available exclusively to members of the Catalytic Advances Program. The Catalytic Advances Program (CAP) is an information resource for research and development organizations in the chemical, polymer, and petroleum catalyst and process industries. Via the industry's leading membership-driven program, companies that join CAP combine their resources to jointly explore the world's most promising catalytic technologies.

Members of TCGR's Catalytic Advances Program in 2003 have access to the following technical reports in addition to "**Going to Zero Sulfur: Challenges and Progress**", authored by leading scientists from academia and industry and peer reviewed by the same:

- ◆ **"Process Intensification in Chemicals Production and Refinery Processes"** - a look at the techniques for improving the effectiveness and efficiency of chemical and refinery technologies.
- ◆ **"Gas-to-Liquids Technology: 21st Century Advances"** - a detailed investigation, including process economics, of near-commercial GTL and gas-to-chemicals (GTC) processes, including implications downstream.

In 2002, CAP members received reports on the following technical topics...

- ◆ **Advances in Nanocatalysts and Products** (AUTHORS: Drs. Terry Baker, John Horsley, Steven Suib and Sorab Vatcha and Mr. Clyde Payn; PEER REVIEW: Drs. Donald Freed, Markus Pridöhl and Nicola Pernicone)
- ◆ **CombiCat Informatics Systems** (AUTHORS: Drs. Laurel Harmon, Martin Holena and Uwe Rodemerck and Mr. Clyde Payn; PEER REVIEW: Drs. Jochen Lauterbach and John Newsam and Mr. James Cawse)
- ◆ **Engineering Catalyst Pellets, Particles and Extrudates** (AUTHORS: Drs. Arthur Chester, Massimo Morbidelli, Jack McWilliams, Arvind Varma and Hua Wu; PEER REVIEW: Drs. Jim Kosco, Daniel Luss and Sorab Vatcha)

Further inquires and information can be obtained by visiting www@catalystgrp.com or contacting John J. Murphy, Vice President, (jjm@catalystgrp.com) at **The Catalyst Group Resources**: 215-628-4447

The Catalyst Group Resources (TCGR), a member of The Catalyst Group, is dedicated to monitoring and analyzing technical and commercial developments in catalysis as they apply to the global refining, petrochemical, fine/specialty chemical, pharmaceutical, polymer/elastomer and environmental industries. The Catalyst Group Resources' assessment is based on information obtained from the public domain as well as internal sources and industry interviews. TCGR's analysis will report factual information, as well as hypotheses/interpretations based on this information, in order to derive a reasonable set of expectations. Factors could cause actual results to differ from our forward-looking statements and The Catalyst Group Resources undertakes no obligation to publicly revise these forward-looking statements to reflect events or circumstances after the date hereof.