

First Circular - Call for papers

5TH NORDIC SYMPOSIUM ON CATALYSIS

Catalysis and C1 - Chemistry

Catalysis in the Nordic Countries

October 22-23, 1992

Research Group of Catalysis at the Chemical Center, Lund Sweden

The **Nordic Symposium on Catalysis** is a gathering of scientists and engineers for the exchange of information on recent developments and new ideas within the field of catalysis and for the promotion of co-operation between the Nordic Countries. The symposium is an annual event under the auspices of the Nordic Catalysis Society. The event will be hosted annually by the four countries in turn. Having been in Lyngby, Denmark (1989), in Helsinki, Finland (1990) and in Trondheim, Norway (1991), Lund will be in turn again for the event in 1992.

The theme of the Symposium of 1992 will be **Catalysis and C1-Chemistry**. Plenary lectures as well as short oral presentations and posters will be given. With this first circular we announce the possibility of presenting a contribution. Such contributions may cover the theme of the symposium or also deal with recent findings from the Nordic Countries which are not directly associated with C1-Chemistry.

We invite contributions covering fundamental and applied aspects of catalysis as well as catalysis-related reaction engineering. The language of the conference will be English.

SECOND CIRCULAR

The second circular with the Final Program and the Registration Forms will be distributed in June 1992.

GENERAL INFORMATION

The symposium will be held on October 22-23, 1992 in Lund. The Symposium will take place in the Auditorium, Sparta. The fee for participating in the Symposium will be 2000 SEK and 1000 SEK for students.

For more detailed information contact:

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CALL FOR PAPERS

ACS-Division of Petroleum Chemistry Symposium 'Regeneration, Reactivation and Reworking of Spent Catalysts' Denver, March 28 - April 2, 1993

There are chemical, physical, engineering and environmental issues associated with the regeneration, reactivation and reworking of spent catalysts. In general, a particular catalyst is selected on the basis of both performance and life, either its inherent life or the relative ease of regenerating or reactivating the spent catalyst for repeated use. Recently, environmental considerations, especially regarding disposal of spent catalysts, has placed increasing emphasis on alternative and new technologies for recovering value from spent catalysts and for converting spent catalysts to non-hazardous and non-toxic waste.

This Call for Papers solicits contributions dealing with the chemical, physical, engineering and environmental aspects of:

- 1) Catalyst Regeneration
 - *In situ* and *ex situ* in dedicated installations
 - The physical/chemical properties of regenerated catalysts in comparison with fresh materials
- 2) Catalyst Reactivation
 - Some catalysts require special reduction/presulfiding etc. procedures that deviate from normal operating conditions
 - *Ex situ* or *in situ* reactivation
 - Studies of the changes in active surface compounds, structure and physical properties
- 3) Reworking of Spent Catalysts

Methods for reworking high value catalysts, i.e. noble metal catalysts are known, but other categories are now joining this group especially for environmental reasons. Examples include:

Hydrotreating catalysts of which worldwide (1990) some 45,000 tons were produced. What chemistry is suitable, and what is done with "the rest"?

Fluid cracking catalysts have been dumped and used as landfill for decades; environmental pressures may require alternate technologies, such as

- Extraction of the metals and re-use as catalysts
- As fillers in asphalt, tiles, ceramics and even as a source of alumina and silica

A large number of other "high volume" catalysts based on Ni, Co, Zn, Cu etc. are used in the petrochemical industry and also fall into this category.

The papers should be "chemical/physical/technical" as is the tradition in ACS and not commercial sales promotions. However, the Division intends to invite the speakers to participate in a social poster session in a separate room where commercial and promotional material can be displayed during one evening of the Symposium. We are asking those involved in this to financially support this social hour.

Schedule:

Letter of intent (with title and summary): as soon as possible but before June 15, 1992

Paper at one of the organizers by November 1, 1992

The usual regulations regarding format and form of ACS papers will be applied.

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