

News Items

11th International Course on the Process Metallurgy of Aluminium

Trondheim, Norway, 1-5 June 1992

All important operational topics relevant to aluminium smelters are covered, from a basic as well as a practical view. Examples are: bath properties; cell voltage; electrode reactions; electrical resistance; start-up and early operation of cells; cell operation; operational strategy and why; current efficiency; energy balance; alumina; cathodes – construction, chemical and physical properties, failure scenarios, new developments; magnetic compensation of alumina reduction cells; anodes – formulation, baking and testing, mechanisms of consumption, common failures and diagnostics; improved Soderberg technology; emission control.

The lecturers will be: Werner Fischer (R&D Carbon), Warren E. Haupin (Alcoa), Reidar Huglen and Halvor Kvande (Hydro Aluminium), Erik Keul (Norsk Viftefabrikk), Michel Reverdy (Pechiney), Nolan Richards and Alton Tabereaux (Reynolds Metals), Morten Sorlie (Elkem), Mark Taylor (Comalco) and Jomar Thonstad, Terje Ostvold and Harald A. Oye (Norwegian Institute of Technology).

The courses, held annually at the Institute of Inorganic Chemistry, Norwegian Institute of Technology, Trondheim, have attracted 775 persons from 40 countries and 120 companies since 1981.

For contact details, see diary entry.

1993 Symposium PROGRESS IN ELECTROCATALYSIS – Theory and Practice

The years after the 1983 meeting on electrocatalysis held in Neunkirchen (Germany) as a satellite of the 34th ISE Meeting (Erlangen), a second conference on this outstanding electrochemical issue is planned to

take place as a satellite of the 44th ISE Meeting (Berlin).

The meeting is devised to survey the advances made during the previous ten years in fundamental research and practical applications of electrocatalysis for electrolyzers and fuel cells. It is intended to bring important groups working in the field together with the aim of achieving a lively exchange of experience and ideas, so as to promote further advances in research and development, as well as in the practice of electrocatalysis in technical processes.

Hydrogen, oxygen and chlorine electrochemistry are classical fields of electrocatalysis. Further topics to be included are electrocatalysis in organic electrosynthesis, environmental electrocatalysis related to treatments of such noxious compounds as SO₂, NO₂, chlorocarbons etc., together with fundamental relationships between adsorption at electrodes, electrode kinetics and mass transport.

The format of the meeting will provide, in any of the above areas, discussion of fundamental, applied and engineering aspects of electrocatalysis by means of invited lectures, organised round tables and poster contributions. A Program Committee comprising M. M. Jaksic, S. Trasatti and H. Wendt, advised by an international board of experts, is in charge of the scientific organisation. The Local Committee will be chaired by A. De Battisti.

Further information from:

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