

PREFACE

This Volume is a collection of most research papers accepted for presentation at the Third International Symposium on Molten Salt Chemistry and Technology (MS3 Symposium), held in Paris, July 15-19th, 1991.

The meeting, which gathered eminent specialists belonging to all developed countries, was supported by the following institutions:

- Agence Française pour la Maîtrise de l'Energie
- Centre National de la Recherche Scientifique
- Electricité de France
- International Society of Electrochemistry
- Pechiney.
- Société Française de Chimie (Analytical Chemistry Division)
- The Electrochemical Society (European Section)
- The Electrochemical Society of Japan (Molten Salt Committee)

The Organizing Committee was:

- *Chairman* : M. Chemla, Paris
- *Vice-Chairman* : B. Trémillon, Paris
- *Members* : D. Devilliers, Paris; M. Gaune-Escard, Marseille; F. Lantelme, Paris; G. Picard, Paris
- *Executive Secretaries* : N. Prulière, Paris; M. Vogler, Paris.

Our objective was to present the new developments in fundamental research and in industrial applications of Molten Salts, so as to constitute a description of the « State of the Art » in Molten Salt Chemistry and Technology.

A special attention was also given to recent developments of special topics such as Electrodeposition of Refractory Metals (Niobium, Molybdenum), and Organic Chemistry and Electrochemistry in Molten Salts.

This Volume is divided into three sections :

1. Fundamentals, Physical Chemistry, Thermodynamics
2. Electrochemistry and Electrochemical Processes
3. Energy Conversion and Storage, Corrosion, Properties of Molten Salts.

The Editors would like to thank the Authors whose scientific contributions made possible the realization of this Volume.

M. Chemla and D. Devilliers, Editors

