

EDITORIAL

F. Scholz

**Welcome to all readers and authors
of the Journal of Solid State Electrochemistry**

The founding of a new scientific journal requires very serious reasons at a time in which an explosion of the scientific literature is taking place, making any search for information in individual journals more and more difficult. Many scientific libraries have to cut down on the number of their subscriptions which does not stimulate new enterprises. However, developments in science and technology go their own way and we have to follow. One of these new roads has led to Solid State Electrochemistry, a field which is rooted at the very beginning of electrochemistry. Only more recently has it been realized that this subject is so diverse and rich in specific features that one has to regard it as a branch of electrochemistry in its own right. Unfortunately, the papers concerning solid state electrochemistry have been, until now, scattered in many journals of chemistry. It is this aspect which made it clear to us that the subject of solid state electrochemistry needs a forum of its own for specialists to communicate with each other, allowing a great number of interested readers to find the information they want at once in a most efficient way and giving authors a chance to communicate their new results in a most appropriate way. Concentrating papers on solid state electrochemistry in a Journal of Solid State Electrochemistry will also make it much easier for scientists who are not involved in this area to recognize important developments and to get the latest news from this rapidly expanding field of research.

We are sure the scientific community will welcome the Journal of Solid State Electrochemistry, as it will be the publication medium for a very wide range of scientific activities which are all in one or the other way related to the electrochemistry of solid phases. The papers we intend to publish will cover solid state electrochemical aspects in the following fields:

- mechanisms of solid state electrochemical reactions – experimental studies and theoretical modelling;
- ion and electron transport in solid materials and polymers;

- photoelectrochemistry;
- corrosion of solid materials;
- electrocatalysis;
- semiconductor electrochemistry;
- electrochemical batteries, accumulators and fuel cells;
- solid state electroanalysis;
- electrochemistry in polymers;
- electrochemical machining of materials;
- electrochromism and electrochromic devices;
- electrochemical potential memory devices;
- new electrochemical solid state syntheses;
- electrochemical mineral leaching;
- galvanic metal plating;
- solid state electrochemical sensors for gases and solutions.

The Journal of Solid State Electrochemistry is aimed to support the scientific development in a flourishing area. Its founding is not a step towards more and more subdividing in science, but rather a step of integration of solid state chemistry, solid state physics and electrochemistry. Reading this journal should broaden our view instead of narrowing it to a specialized area. I hope that readers will find it very rewarding to follow the developments in solid state electrochemistry by reading this new journal. The members of the international editorial board and the publisher have great concern and responsibility for the quality of all published papers. No manuscript will be published without receiving positive votes from two anonymous referees who are experts in the subject area. If you have new results in the area of solid state electrochemistry, you should not hesitate to send your manuscript to the editors for publication in the Journal of Solid State Electrochemistry.

Fritz Scholz
Editor-in-Chief
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