Superplasticity in Metals, Ceramics, and Intermetallics

Symposium held April 16-19, 1990, San Francisco, California, U.S.A.

EDITORS:

Merrilea J. Mayo
The Pennsylvania State University, University Park, Pennsylvania, U.S.A.

Masaru Kobayashi
Technological University of Nagaoka, Nagaoka, Japan

Jeffrey Wadsworth
Lockheed Research and Development Division, Palo Alto, California, U.S.A.
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*Invited Paper
Preface

This volume represents the Proceedings of the Symposium on Superplasticity in Metals, Ceramics, and Intermetallics, which was held as a part of the Materials Research Society Spring Meeting in San Francisco, California, April 16-20, 1990.

The symposium attracted international participation with strong contributions from the USA, China, Japan, and Europe; Australia, Korea and Mexico were also represented. Regrettably, a large contingent from the USSR that planned to attend were unable to do so.

The application of superplasticity in metallic alloys continues to be of great interest from both fundamental and technological viewpoints. Papers are included in the proceedings that reflect the range of these interests. In addition, the large interest in the symposium must be attributed in part to the very exciting discoveries that are being made in the development of superplasticity in non-traditional materials such as ceramics and intermetallics, and the application of superplasticity theory to the behavior of geological materials.

The editors gratefully acknowledge the many reviewers who participated in the final preparation of the manuscripts, the invited speakers, and the many people at MRS who made this symposium possible. Finally, we very gratefully acknowledge the support of the Army Research Office, the National Science Foundation, and the Office of Naval Research.

Merrilea J. Mayo
Masaru Kobayashi
Jeffrey Wadsworth

August 1990