Advanced Structural Ceramics
MATERIALS RESEARCH SOCIETY CONFERENCE PROCEEDINGS


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Preface

The papers contained in this proceedings were presented at the symposium on "Advanced Structural Ceramics" held in Boston, Massachusetts, December 1–3, and 1986 sponsored by the Materials Research Society. The symposium addressed recent research in the field of toughened ceramics and included that on transformation toughening and fiber and whisker reinforced ceramics. The symposium was international in character which is indicative of the wide interest in exploring mechanisms to enhance the fracture resistance of ceramics. The research presented at the symposium provides considerable insight into our progress in these areas.

The success of any symposium also reflects the support of others. This symposium was made possible by the financial support of the U.S. Department of Energy through the Division of Materials Sciences, Office of Basic Energy Sciences and the Energy Conversion and Utilization Technologies Materials Program, Office of Renewable Energy. We would like to especially acknowledge A.H. Heuer, D.R. Clarke, F.F. Lange, R.J. Gottschall, and R.M. Cannon for subchairing this session and coordinating manuscript reviews. Their efforts contributed greatly to the success of this symposium. Finally, sincere thanks are extended to Fauna Stooksbury who provided not only secretarial services but also handled and coordinated many of the details required to conduct the symposium and publish the proceedings.

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