

# Preface

This special issue of *Mechanics of Materials* contains articles by a number of authors who contributed to a special symposium entitled 'Shear Instabilities and Viscoplasticity Theories' which was held at the University of California, San Diego, as a part of the annual conference of the Society of Engineering Science, September 14–16, 1992. This issue does not include all the papers presented, but includes some additional papers.

All of the papers (including those of the organizers and the Editor-in-Chief) contained in this special issue have been subjected to the usual rigorous peer review, in conformity with the policy of the journal. Many of the papers, therefore, benefited from comments and discussions at the symposium, as well as from suggestions and the constructive criticism of independent external reviewers. Thus, many contributors have seized the opportunity of modifying their contribution. Therefore, this special volume should prove of particular value to researchers interested in the experimental, theoretical, and computational aspects of shear instabilities which often accompany dynamic deformation.

The Editor-in-Chief wishes to thank the guest

editors, Professor R.W. Armstrong of the University of Maryland; R.C. Batra of the University of Missouri–Rolla; M.A. Meyers of the University of California, San Diego; and Dr. T.W. Wright of the U.S. Army Research Laboratory, Aberdeen Proving Grounds; for their efforts in assisting with the review process. They deserve the credit for the breadth and technical quality of this volume.

Shortly before the Society of Engineering Science Annual Conference, and hence, the Symposium on Shear Instabilities and Viscoplasticity Theories, Professor Jacques W. Duffy of Brown University, who had planned to participate in the symposium, and who had been an important contributor to the field, passed away. The guest editors, as well as Professors Robert J. Asaro of the University of California, San Diego, and Rodney J. Clifton of Brown University, suggested to dedicate this special issue to Jacques Duffy's memory. The Editor-in-Chief thanks Professor R.J. Clifton and R.J. Asaro for providing the dedication paragraph, and Mrs. Duffy for supplying the photograph.