Preface

This book contains contributions presented at the 16th ESAFORM Conference on Material Forming, held at the University of Aveiro, Portugal, from 22nd to 24th of April, 2013. The European Scientific Association for Material Forming (ESAFORM) is a non-profit scientific association, founded in January 1997, with the aim to promote the interest for all types of materials and all topics connected to Material Forming.

This annual conference aims to be a forum for discussions between the young and senior scientist, academia and industry, generating contacts and bringing up new ideas. The 16th edition of the conference was organized into distinct and thematic Mini-Symposia, presented in a number of parallel sessions covering various aspects of material forming.

We would like to take the opportunity to give a special word of thanks to the ESAFORM Association, particularly to Prof. Dorel Banabic (President), Prof. Ton Van den BOOGAARD (Vice-President), as well as to Prof. Phillipe Boisse (previous President) and all the members of the Board-of-Directors, for choosing the University of Aveiro as the host of this edition of the Conference. Our acknowledge also goes to the Mini-Symposia organizers (Scientific Committee of the Conference), for their extreme efforts in assuring the relevance and quality of the submitted papers. Finally, our appreciation and "thank you" to the members of the GRIDS Research Group, for their help in the logistics and organization of the Conference.

The Editors,

Ricardo Alves de Sousa and Robertt Valente GRIDS Research Group Center for Mechanical Tecnology and Automation Department of Mechanical Engineering University of Aveiro, Portugal