PREFACE

Edited as special number, the present issue constitutes the proceedings of VALPARAÍSO NUMÉRICO II, the SECOND NATIONAL WORKSHOP ON NUMERICAL ANALYSIS OF PARTIAL DIFFERENTIAL EQUATIONS, held on December 15 and 16, 2005, at the Departamento de Matemática of the Universidad Técnica Federico Santa María. This conference, which was a result of a cooperation between that Department and the Departamento de Ingeniería Matemática of the Universidad de Concepción, brought together researchers from different areas within the Numerical Analysis of Partial Differential Equations and their applications, in order to exchange ideas and present their current research. Indeed, as its main objective, this workshop aims to create an instance of diffusion and interaction on the topics being developed by the national community. A second objective, not less important, is to motivate undergraduate and postgraduate students to become interested in the field.

In this volume we collect most of the invited papers presented at the workshop. We thank all the speakers for the very interesting talks, which are responsible for the success of the event.

On the other hand, we want to express our personal gratitude to the secretaries of the Departamento de Matemática of the Universidad Técnica Federico Santa María, Mrs. María Estrella Valencia and Mirtha Jil, for their enthusiastic committment to the organization of the workshop.

Finally, we are very grateful to all contributors to the present volume and to the anonymous referees for their careful and patient work.

Gabriel N. Gatica and Erwin Hernandez.
Organizing Committee

Valparaíso, Chile, August 2006.