

Editorial

Statement of Candidacy for CIM Board of Directors

We will support the mission of CIM to develop and promote mathematics in Portugal and to strengthen international outreach. We will organize and promote presentations and mini courses given by accomplished mathematicians. We will organize and promote seminars and international conferences in mathematics and emphasize the importance of the interdisciplinary connections with other fields of science, engineering and industry. These events will be targeted mainly to scholars, researchers and Ph.D. students, however, M.Sc. and undergraduate students will be welcome.

We will organize and promote programs we consider important for the future success of Portuguese mathematics. We will create collaborative programs to bring together academic institutes and industry partners to research and develop applications of mathematics for use in industrial and service-oriented sectors. We will promote joint workshops between industry partners and

CIM associates to stimulate future collaboration. We will promote mathematics awareness by conducting events directed to the general public, as well as events targeted to more specific groups.

We will take an active role in the European and International organizations where CIM is a member and we will collaborate with other national and international commissions, councils, organizations and associations to develop the broad field of mathematics. We will work to encourage and assist Portuguese mathematicians to become actively engaged in European and International projects.

We are confident we can count on the support and commitment of the CIM membership to achieve our goals. We will invite other recognized organizations to be members and sponsors of CIM.

Submitted by Alberto Adrego Pinto on behalf of the candidates for the Board of Directors of CIM.

Contents

- 01 Editorial
- 02 Coming Events
- 03 An interview with Jacob Palis
by José Ferreira Alves
- 10 Wavelets and Economics
by Maria Joana Soares and Luís Aguiar-Conraria
- 19 A Statistical Perspective on the Identification of Geophysical Trends
by Susana M. Barbosa
- 25 Stratified Models in First-Order Logic
by José Roquette
- 30 The Planet Earth System, a challenge to mathematicians
by José Francisco Rodrigues
- 31 Four themes with potential examples of modules for a virtual exhibition on the “Mathematics of Planet Earth”
by Christiane Rousseau