Preface

ADVCOMP 2008

The Second International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP) 2008, held between September 29, 2008 and October 4, 2008 in Valencia, Spain, was a multi-track event covering a large spectrum of topics related to advanced engineering computing and applications in sciences.

With the advent of high performance computing environments, virtualization, distributed and parallel computing, as well as the increasing memory, storage and computational power, processing particularly complex scientific applications and voluminous data is more affordable. With the current computing software, hardware and distributed platforms effective use of advanced computing techniques is more achievable.

The goal of the International Conference on Advanced Engineering Computing and Applications in Sciences, ADVCOMP 2008, was to bring together researchers from the academia and practitioners from the industry in order to address fundamentals of advanced scientific computing and specific mechanisms and algorithms for particular sciences. The conference provided a forum where researchers were able to present recent research results and new research problems and directions related to them. The conference seek contributions presenting novel research in all aspects of new scientific methods for computing and hybrid methods for computing optimization, as well as advanced algorithms and computational procedures, software and hardware solutions dealing with specific domains of science.

We take here the opportunity to warmly thank all the members of the ADVCOMP 2008 technical program committee as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and efforts to contribute to ADVCOMP 2008. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We are convinced that the participants found the event useful and communications very open. We also hope the attendees enjoyed the historic charm of Valencia, Spain.

ADVCOMP 2008 Chairs
Vicente Hernández García
Lourdes Peñalver Herrero