Preface

On behalf of the Organizing Committee, we would like to welcome all participants of the 2012 Brazilian Symposium on Neural Networks (SBRN), which is sponsored by the Brazilian Computer Society (SBC).

SBRN is the leading conference in Brazil dedicated to Neural Networks and other models of Computational Intelligence (CI), including Fuzzy Logic, Evolutionary Computing and Machine Learning, and various soft computing techniques. The conference is focused on original theories and novel applications dealing mainly with the use and analysis of CI techniques. SBRN 2012 is being held at Curitiba, Paraná, Brazil, jointly with the "XXI Brazilian Symposium on Artificial Intelligence" (SBIA) and the "IX Encontro Nacional de Inteligência Artificial" (ENIA – National Meeting on Artificial Intelligence), as part of the First Brazilian Conference on Intelligent Systems (BRACIS 2012).

SBRN is an international conference with an international program committee, which includes well-established researchers from Brazil and overseas. The papers have been written in English and are published by the Conference Publishing Services (CPS), a division of the IEEE Computer Society press.

The final program has 11 Technical Sessions organized around specific topics and four pre-conference tutorials of established researchers. The papers submitted to the symposium represented a broad range of research developed in Brazil and other countries. We received 79 submissions and after a rigorous reviewing process, 42 papers were accepted to be orally presented. All papers were reviewed by, at least, two independent specialized referees.

We would like to express our sincere thanks to all Program Committee members and to all reviewers for their cooperation in the reviewing process. We very much appreciated their hard work, which guaranteed the high quality of the technical program.

We are also grateful to the local organization, all the sponsors and volunteers for their valuable help that made this Symposium possible. Finally, we would like to thank the authors for their time and effort in submitting their work to the SBRN 2012. Their contributions were of paramount importance for maintaining the high quality of SBRN’s proceedings.

Ana Carolina Lorena, Program Chair
Carlos Eduardo Thomaz, Publication Chair
Aurora T. R. Pozo, Conference Chair