Message from the Technical Program Chairs

Despite the current global economic slowdown the growth in the electronics and application sector continues at a very fast pace well outpacing the world’s industrial economic expansion. To keep up with the tremendous technological progress in the field of electronics, new advanced design, simulation, modelling, fabrication, testing and application methods, techniques and tools have to be developed, implemented and introduced. This provides a wide variety of challenging topics for study and development. And as the papers of these symposium proceedings show, the successful research in the corresponding advanced areas is already well under way, leading to the considerable progress in developing both theory and practice that has been achieved. A very substantial part of these developments are taking place in the Asia-Pacific region, which is a home of over 40% of global electronics output and home of the successful series of IEEE International Symposia on Electronic Design, Test and Applications (DELTA) 2002-2010.

We believe that this year Symposium will be a stimulating forum for the delegates to present and discuss new results, trends and ideas in the wider scope of emerging areas of electronics and related fields. This belief is based on the fact that DELTA is broadly-based in the range of subject areas addressed in its programme, as well as in the diversity of the backgrounds of the symposium participants. Contributions were sought from researchers, academics and practicing engineer from all over the world, and in the end 64 submissions from 19 countries of Asia, Europe, America and Australasia were accepted for oral and poster presentations in the 3-day Symposium programme. Consistency in the high quality among the DELTA sessions has been achieved by thorough peer-review process performed by the panel of international experts. We would like to thank all colleagues and in particular the members of the Technical Program Committee and reviewers who contributed their time and energy into initiating, reviewing and selecting papers for the symposium program for their professionalism and dedicated work.

We do hope that each and every delegate of the Symposium will find the event professionally-enhancing and mind-stimulating. We hope the participants will acquire interesting, important and practically-useful information from the papers and presentations included into the Symposium program. We hope also that DELTA 2010 delegates would have useful interactions, discussions and communications with colleagues during the event. Finally we wish everyone to enjoy time in the gracious and graceful Vietnam - the forward-looking country that combines captivating natural beauty, rich history and fast economic development.

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