General Chair’s Welcome

Welcome to the 37th annual Design Automation Conference (DAC). DAC yearly attracts thousands of engineers who are eager to understand the latest developments in electronic design automation (EDA) as well as to hear about the latest and greatest chip and system designs. It is a melting pot where human interaction is the key ingredient to the understanding of the different threads in the evolution of electronic design tools and methods. Indeed, DAC is organized to facilitate technical interchanges among design automation researchers and developers, the engineers who use DA systems and the vendors who provide both DA systems and silicon.

DAC is the premier conference for the presentation of research and development work on tools for designing chips and systems, new methodologies for circuit and system designs and is quickly emerging as the preferred conference for presenting next generation electronic circuits and systems design experiences. DAC continues to be the forum where the EDA industry exhibits leading edge products and makes new product announcements. In its third year, Silicon Village ensures that silicon and IP vendors are also represented at the conference.

These Proceedings, representing an outstanding technical program, were assembled under the leadership of this year’s Co-Program Chairs, Bryan Ackland and Sharad Malik and Panel Chair, William Joyner. This year, 445 papers from around the world were submitted and reviewed by over 900 EDA and system design professionals. These reviews, along with a detailed examination by the Technical Program Committee, yielded the 154 papers included in these Proceedings and to be presented at the conference. These papers are complemented by nine panel sessions, three invited papers, four embedded tutorials and three university design contest paper finalists. One special day, Wednesday, is dedicated to design tools and methods for Embedded System Design, covering hardware and software design issues.

I want to thank all those who contributed to making DAC the premier conference for electronic design automation and design methods: the Authors, Speakers, Reviewers, Session Organizers and Session Chairs. A particular thanks to the DAC Executive Committee, the Technical Program Committee, the Exhibitor Liaison Committee, and MP Associates, Inc. for their dedication. DAC is sponsored by ACM/SIGDA, IEEE Circuits and Systems Society, and the EDA Consortium. Their members represent the breadth of DAC’s participants and we are thankful for their continued and active support.

Welcome to Los Angeles and the 37th Design Automation Conference. We wish you a very productive week in this vibrant and eclectic city. We trust that you will find these Proceedings to be a valuable resource and reference for many years to come.

Giovanni De Micheli
General Chair, 37th Design Automation Conference