foreword

Dear Colleague,

We proudly present to you the Advance Programme of DATE 12. DATE combines the world's favourite electronic systems design and test conference with an international exhibition for electronic design, automation and test, from system level hardware and software implementation right down to integrated circuit design. While many conferences currently suffer from travel restrictions in many companies and face severe problems in attracting attendees, DATE 2012 received some 950 submissions. The boost in submissions by 37% and 18% in the Embedded Systems Software and the Applications Track reflects the key importance of software and applications for a wealthy economy and underlines the leading role of DATE in these fields. The importance of DATE as a worldwide indispensable meeting point is demonstrated by the fact that more than 50% of the submissions came from outside Europe. The most attractive topics this year were Simulation and Validation as well as Architectural and Microarchitectural Design.

For the 15th successive year DATE has prepared an exciting technical programme, with the help of more than 300 members of the Technical Programme Committee, who dedicated their time to thoroughly review the submissions, ranging from system level down to circuit design and covering all the most relevant application domains.

This year the conference will be held in Germany, at the ICC in Dresden and will span an entire working week starting on Monday March 12 with tutorials, and ending on Friday March 16 with workshops.

The **plenary keynote speakers** on Tuesday are Klaus Meder, President of the Automotive Electronics Division of Bosch to talk about 'The Mobile Society – Chances and Challenges for Micro- and Power Electronics', and Mojy Chian, Senior Vice President Design Enablement of GlobalFoundries, to talk about 'New Foundry Models – Accelerations in Transformations of the Semiconductor Industry'. On the same day, the **Executive Track** offers a series of business panels discussing hot topics in design. To emphasise that DATE is the major event for the designers, DATE 12 features invited sessions where **Europe's famous consumer industry presents its best designs and design practices.**

The main conference programme from Tuesday to Thursday includes 77 technical sessions organised in parallel tracks from four areas:

D – Design Methods, Tools, Algorithms and Languages
A – Application Design
T – Test Methods, Tools and Innovative Experiences
E – Embedded Software

Extra tracks are dedicated to the Executive Day on Tuesday and the two special days: **e-Mobility Day** on Wednesday and **More than Moore Day** on Thursday. There is a lunch-time Keynote on Wednesday by Thierry Van der Pyl, Director Components and Systems of the European Commission who will talk on 'Research and Innovation on Advanced Computing – an EU Perspective'. Additionally, there are 74 Interactive Presentations which are organised into five IP sessions.

Finally, DATE offers a comprehensive overview of commercial design and verification tools in its exhibition including vendor seminars and abundant networking possibilities with fringe meetings.

We wish you a productive and exciting DATE 12 and a memorable social party on Wednesday evening.

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