The DATE 2016 conference and exhibition in Dresden attracted 1400 experts
2016-03-23

The DATE 2016 Conference and Exhibition closed doors last Friday, March 18, 2016, receiving 1400 registrations from 50 countries and ending with excellent feedbacks from both participants and exhibitors.

DATE 2016 received 829 paper submissions, a large share (42%) coming from authors in Europe, 29% of submissions from Asia, 25% from North America, and 4% from the rest of the world. This clearly demonstrates DATE's international character, its global reach and impact.

For the 19th successive year, DATE presented an exciting technical programme, comprising 78 technical sessions and 11 Exhibition Theatre sessions. The DATE week started on Monday with ten in-depth tutorials and the popular PhD Forum, hosted by EDAA, ACM SIGDA, and IEEE CEDA.

On Tuesday, the conference was opened by the plenary keynote speakers Luc Van den hove, President and Chief Executive Officer imec, who presented a talk on “From the happy few to the happy many: towards an intuitive internet of things”, and Antun Domic, Executive Vice President and General Manager, Design Group, Synopsys, who talked about “Design will make everything different”. On the same day, the Executive Track offered a series of business panels discussing hot topics. Executive speakers from companies leading the design and automation industry addressed some of the complexity issues in electronics design and discussed about the advanced technology challenges and opportunities.

DATE 2017 - Call for Papers
2016-03-22

Conference and Exhibition
March 27-31, 2017, Swiss Tech Convention Center, Lausanne, Switzerland

Call for Papers

Scope of the Event

The 20\textsuperscript{th} DATE conference and exhibition is the main European event bringing together designers and design automation users, researchers and vendors, as well as specialists in the hardware and software design, test and manufacturing of electronic circuits and systems. It puts strong emphasis on both ICs/SoCs, reconfigurable hardware and embedded systems, including embedded software.

Structure of the Event

The five-day event consists of a conference with plenary invited papers, regular papers, panels, hot-topic sessions, tutorials, workshops, two special focus days and a track for executives. The scientific conference is complemented by a commercial exhibition showing the state-of-the-art in design and test tools, methodologies, IP and design services, reconfigurable and other hardware platforms,
embedded software, and (industrial) design experiences from different application domains, such as automotive, wireless, telecom and multimedia applications. The organization of user group meetings, fringe meetings, a university booth, a PhD forum, vendor presentations and social events offers a wide variety of extra opportunities to meet and exchange information on relevant issues for the design and test community. Special space will also be allocated for EU-funded projects to show their results. More details are given on the DATE website (www.date-conference.com).
Awards Ceremony

Dr. Antun Domic
EVP & GM, Design Group, Synopsys
DATE 2016

Giovanni De Micheli
École Polytechnique Fédérale de Lausanne, CH

In recognition of outstanding contributions to EDA and its community
EDAA Achievement Award 2016 goes to Giovanni De Micheli
2016-03-14

Dresden, March 15, 2016 – The EDAA Lifetime Achievement Award 2016 goes to Giovanni De Micheli.

The EDAA Lifetime Achievement Award is given to individuals who have made outstanding contributions to the state of the art in electronic design, automation and testing of electronic systems during their career. In order to be eligible, candidates must have made innovative contributions, which had an impact on the way electronic systems are being designed.


The Award has been presented at the plenary session of the 2016 DATE Conference, on March 15th in Dresden, Germany (https://www.date-conference.com).

University Booth at DATE 2016 - Final Programme
2016-03-07

The final programme of the University Booth at DATE 2016 is available online here and for download as PDF document here.

The University Booth is organized during DATE and will be located in the exhibition area at booth 15. All demonstrations will take place from Tuesday, March 15 to Thursday, March 17, 2016 during DATE. Universities and public research institutes have been invited to submit hardware or software demonstrations.

The University Booth program is composed by 49 demonstrations from 18 different countries, presenting software and hardware solutions. The program is organized in 11 sessions of 2 or 2.5 h duration and will cover these topics:

- 5G wireless network Prototypes
- 3D-IC integration Prototypes
- FD-SOI Prototypes
- IoT Prototypes
- Electronic Design Automation Prototypes
- Hardware Design and Test Prototypes
- Automotive System Prototypes
- Secure System Prototypes

More information can be found on the DATE web site.

The final programme with detailed information on the demonstrations is available here.
**DATE 2016 Event Highlights Automotive and Secure Systems**

**DATE 2016 opens doors on March 14 at the International Congress Center Dresden, Germany**

On Tuesday, the conference will be opened by the plenary keynote speakers Luc Van den hove, President and Chief Executive Officer imec, who will present a talk on “From the happy few to the happy many: towards an intuitive internet of things”, and Antun Domic, Executive Vice President and General Manager, Design Group, Synopsys, to talk about “Design will make everything different”. On the same day, the Executive Track offers a series of business panels discussing hot topics. Executive speakers from companies leading the design and automation industry will address some of the complexity issues in electronics design and discuss about the advanced technology challenges and opportunities.

Two special days in the programme mark the distinctive highlights during the DATE week: Automotive Systems and Secure Systems. Each of the Special Days will have a full programme of keynotes, panels, tutorials and technical presentations by leading experts from academia and industry.

During the Special Day on Wednesday, Automotive Systems, a keynote is given by Patrick Leteinturier, Fellow Automotive Systems, Infineon Technologies to talk about “The Car of the future will reinvent personal mobility”. In addition, the Automotive Special Day will feature a number of technical talks covering areas such as advanced driver assistance systems, formal methods for automotive software, and various aspects of in-vehicle as well as long-range automotive communications. Further, a panel with speakers from Infineon, Bosch, Mentor, Yoctech and ETAS will discuss various EDA solutions for the automotive domain and ways to go forward.

On Thursday, a keynote in the frame of the Special Day on Secure Systems will be given by Walden C. Rhines, Chief Executive Officer and Chairman of the Board of Directors, Mentor Graphics on “Secure silicon: enabler for the internet of things”. The Secure Systems day starts with an embedded tutorial focusing on low level software attacks, followed by technical papers addressing HW/SW embedded platform modifications for security, and technical papers discussing novel metrics and methods to support design for security and trust. The industrial relevance is illustrated with a special session addressing security challenges from Smart Grid, Industry4.0 and automotive.

The full conference programme including 10 in-depth tutorials on March 14, the regular conference from March 15 to 17, and 8 full-day parallel Friday Workshops on March 18, 2016, is available online: https://www.date-conference.com/conference/event-overview

**Keynotes at DATE 2016**

**TUESDAY OPENING CEREMONY (Session 1.1)**

<table>
<thead>
<tr>
<th>Keynote: From the happy few to the happy many - Towards an intuitive internet of things.</th>
<th>Luc Van den hove, President and CEO, imec, BE</th>
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<tbody>
<tr>
<td>Abstract: The last year every high-tech company was talking about the Internet of Things. The coming decade, we will indeed see a rise in smart connected systems. Machines, buildings, vehicles, personal appliances will all be equipped with more intelligence that will be interconnected. Smart systems will be unobtrusive, ultra-small, cheap, intelligent, and ultra-low power. [...]</td>
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<table>
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<tr>
<th>Keynote: Design Will Make Everything Different</th>
<th>Antun Domic, Executive Vice President and General Manager, Design Group, Synopsys, US</th>
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</thead>
<tbody>
<tr>
<td>Abstract: How many different silicon manufacturing process technologies will there be at 10, 7, or 5 nanometers? Probably only three. How many design starts will there be at 10, 7, or 5 nanometers? According to IBS [1], in 2025 there will be less than 250 design starts at 10 nanometers and below, about 3% of the total number of design starts that year, and only about five of those design starts, i.e. 2% of the 3% (0.09% of the total) will take place in Europe. [...]</td>
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**WEDNESDAY Lunchtime (Session 7.0 – 1400 - 1430)**
3. Keynote: Title: The Car of the Future will reinvent personal mobility
Patrick Leteinturier, Fellow Automotive Systems, Infineon Technologies, DE

Abstract: The regulations for CO2 and pollutant reduction have pushed the automotive industry for more electrification. The internal combustion engines will continue to power our vehicles for decades but will be assisted by electric traction in various xEV architectures. The race for efficiency, environment friendly, and safety will not end here. [...]