DATE 2013 - Final Call For Papers now available [2]

2012-06-01

High-Performance Low-Power Computing and Electronic Technologies for Smart Cities at DATE 2013 in Grenoble [8]

DATE 2013 will take place at Alpexpo in Espace Alpes Congrès in Grenoble, France, from 18-22 March 2013. Grenoble, located in the heart of the Alps, is a key semiconductor site in Europe with more than 38,000 people in micro and nanotechnology (24,000) and embedded software (14,000). It is the second largest research area in all of France, with many research laboratories reporting to the French National Council for Scientific Research (CNRS), the University of Grenoble, and to the Center for Atomic and Renewable Energies (CEA). Major laboratories are CMP, TIMA, VERIMAG and LETI,a large semiconductor organization with 1700 researchers devoted to semiconductors. There are some 100 start-up companies located in the area in addition to 117 companies – 81% of which are SME’s.

The conference addresses all aspects of research into technologies for electronic and (embedded) systems engineering. The Call for Papers showcases the wide scope of technical contributions, covering the design process, test, and tools for design automation of electronic products ranging from integrated circuits to distributed large-scale systems. This includes both hardware and embedded software design issues. The conference scope also includes the elaboration of design requirements and new architectures for challenging application fields such as telecom, wireless communications, multimedia, and automotive systems. All papers have to be submitted electronically by September 9, 2012 for standard oral presentation or for interactive presentation.

Special Days in the programme will focus on two areas bringing new challenges to the system design community: High-Performance Low-Power Computing and Electronic Technologies for Smart Cities.

Using mobile components and technologies to build high performance computing systems-on-chips (SoC) is to be a promising direction to master energy efficiency. The special day on High Performance Low-Power Computing will bring together key actors from semiconductor, mobile and consumer technologies, and high performance computing areas to explore strategies for mastering future generations of computing nodes to enable energy efficient computing.

Energy efficiency, sustainable mobility, digital services to the citizens and healthcare support to elderly people are just some examples of what the cities of the future will offer to their populations. The special day on Electronic Technologies for Smart Cities will investigate how new electronic technologies and their integration into everybody’s life will enable urban areas to become “greener” and “smarter”, thus enhancing the overall quality of life of the new generations of citizens.

Each of the Special Days will have a full program of keynotes, panels, tutorials and technical presentations.

The conference is complemented by a large exhibition and unique networking opportunity for vendors of tools and services for hardware and embedded software for the design, development and test of systems-on-chip, IPs, Embedded Systems, ASICs, FPGAs and PCBs including a broad range of design reuse technologies and services. Exhibition Theatre: an open discussion forum in the midst of Europe’s largest electronic system design exhibition. The programme combines expert panel sessions and customer testimonials. The aim is to offer exhibition visitors a fresh view on the key industrial and business issues in the electronic system design market. Submissions are invited from industry consortia, technology groups, standards bodies, or any person with opinions on future industry trends by October 22, 2012.

On the first day of the DATE event, half- and full-day in-depth technical tutorials are offered by leading experts in their respective fields. The tutorials are well suited for researchers, tool developers and system designers. Friday Workshops concentrate on specialized emerging research and application topics. Tutorial and Friday Workshop Proposals have to be submitted electronically by September 9, 2012.

For further information please visit: www.date-conference.com [5].

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DATE 2012 Photo Gallery is Online [11]

2012-05-29

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DATE in Dresden attracted 1,400 experts to the conference plus more than 800 exhibition visitors [12]

2012-02-23

DATE can now disclose attendance numbers for the DATE 2012 conference (1,400) and exhibition (>800) documenting that DATE was able to repeat the huge success of DATE 2011, which showed a substantial growth over the previous years.

With finally 974 submissions, all selected papers of outstanding quality, and more than 50% of the papers coming from outside Europe, the DATE conference proved to be the number one conference worldwide in its field. In addition to the 11 tutorials on Monday and the main technical conference with 57 regular and 20 special sessions, DATE included an exhibition with over 50 exhibitors. With almost 300 attendees, the additional 9 Friday workshops were a huge success and a major event on its own.

The exhibition floor was very busy for the full three days of the exhibition. The most prominent booths were presented by GLOBALFOUNDRIES and by Silicon Saxony, both presenting their full ecosystems. GLOBALFOUNDRIES learned up with their partners ARM, Cadence, Mentor and Synopsys thus presenting the major vendors in the EDA and IP industry on their booth. The Silicon Saxony booth presented the power of the Dresden and Saxony cluster with approximately 300 companies in the microelectronics and related sectors.

"DATE2012 again was able to further strengthen its worldwide leadership in microelectronics and embedded systems. Dresden is the perfect venue for this event where industry and academia can discuss and present their ideas and products," says DATE’s General Chair Professor Wolfgang Rosenstiel, further adding: "For more information on my personal findings I invite you to read my interview published as EDACafé blog:

http://www10.edacafe.com/blogs/whatwouldjoedo/2012/03/03/date-design-autom... [14]

As the DATE week is marked in the calendar of all experts in the field, on top of the DATE program come countless fringe meetings at the DATE venue and in the many companies located in Dresden. DATE is the week, when the major decisions in industry and research are being discussed – DATE 2012 once again shaped the future of our industry.

In addition to the uncountable highlights in the technical program and an exhibition crowded with very competent experts and decision makers from the opening until the very end, the exciting DATE party completed a perfect DATE week. First class food and famous local drinks as well as electrifying musical performances were arranged and sponsored by the city of Dresden, at a marvellous place with magic views on the Elbe River. Dresden proved to be a truly committed and generous host.

DATE 2013 will take place in Grenoble, France from 18-22 March 2013, once again bringing together industry and research in partnership.

For further information please visit: www.date-conference.com [15].

DATE 2013 Announces Growing Exhibition and Availability of Advanced Program [17]

2012-02-01

"The high number of paper submissions with its sharp increase in the applications and embedded domains confirms that DATE is the world leading event in design automation and test," says Prof. Lothar Thiele, DATE 2012 Technical Program Chair. "The topics addressed by this year's technical papers and the dedication to industrial papers consolidate and further promote the link between the academic/research community and industry".

By featuring two Special Days focusing on topics of outstanding importance, such as E-Mobility and More than Moore, the DATE program will also provide important directions to key players in industry and research. Each of the Special Days will have a full program of papers, tutorials and technical presentations.

DATE 2012 Exhibition Follows Growth Path

DATE 2012 Exhibition will continue to grow after the successful turnaround in the previous years. 50+ exhibitors will present their latest tools and methodologies as well as research results which soon will revolutionize the way we are designing products.

"We are looking forward to welcoming in Dresden many researchers and managers from the Grenoble cluster and from Silicon Saxony, where they will meet and expand their intense collaboration," says Jürgen Haase, DATE 2012 Exhibition Program Chair. "At DATE 2012 Silicon Saxony and the Grenoble cluster with their industry market leaders and outstanding research facilities will present their capabilities to the public, in the exhibition as well as with numerous contributions to the technical program. They will shape an own area in the exhibition floor, in an exhibition keynote the key success factors for designing successful products in 2012 will be discussed."

DATE 2012 Exhibition Highlights GLOBALFOUNDRIES’ Full Ecosystem

GLOBALFOUNDRIES, the foundry with leading edge manufacturing sites in Dresden, Germany, Singapore and the US will showcase at DATE 2012 Exhibition not only its own manufacturing capabilities but also its full ecosystem by teaming up with their partners including also EDA-vendors on their booth.

"With the new concept DATE has re-emerged as an attractive platform to showcase and discuss leading directions in Design and Test," says Gerd Twepe, Director Design Enablement of GLOBALFOUNDRIES’ site in Dresden, adding "I am looking forward to a lively exchange in Dresden."

General Information on DATE 2012

In 2012 DATE will take place in the ICC, Dresden, Germany. The Saxony state capital is with its 500,000 inhabitants, an attractive and energetic modern city connecting east and west Europe. Dresden has an historic but modern flair, offering an excellent environment for DATE 2012. The International Congress Center Dresden is one of the most modern of its kind in Germany and Europe and fully meets the requirements for cutting-edge seminar, conference and event technology. The Congress Center and adjoining Maritim Hotel are situated in the heart of the city, only a few steps away from most sights of Dresden and are easily accessible from Dresden Klotzsche Airport by train, tram or car. This purpose built venue is located approximately 15 minutes from the airport and 5 minutes from the city centre. It is adjacent to the Maritim hotel which will provide some competitively priced hotel rooms. The DATE committee are working with Silicon Saxony (a registered industry association of approximately 300 companies in the microelectronics and related sectors to maximize quality visitor attendance to the event and highlight the presence of DATE.

For further information please visit: www.date-conference.com [16].
DATE 2012 - Paper submission has opened

2011-07-29
-

More than Moore and E-Mobility at DATE 2012 in Dresden

2011-05-26

Deadline for the submission of papers for DATE’s world-leading conference is 11 September 2011. The Call for Papers shows the wide scope of technical contributions, covering design and test of electronic and embedded systems as well as a broad range of applications. “The technical program will consolidate the leading role of DATE in the area of design automation, test and embedded systems”, says Program Chair Lothar Thiele, Professor at ETH Zürich.

By featuring two Special Days focusing on topics of outstanding importance, DATE 2012 will also provide important direction to key players in the semiconductor industry and academic research. Each of the Special Days will have a full program of keynotes, panels, tutorials and technical presentations.

Special Day on More than Moore

“More-than-Moore is gaining importance and momentum as non-digital functions add more and more value in the packaged system,” stresses CEA-Leti’s Michel Brillouët, chair of this Special Day. "The unique feature of this domain compared to scaled CMOS is that the technologies can’t be separated from their applications or markets. Furthermore the design and test of such heterogeneous systems bring specific challenges which will be detailed. This Special Day will start with a broad overview of the More-than-Moore field, followed by dedicated talks on specific technologies including amRF, power and 3D integration and on applications such as energy and healthcare.”

Special Day on E-Mobility

The E-Mobility Special Day will take up the latest trend towards hybrid and fully electric vehicles by discussing upcoming issues to be addressed by the design automation, microelectronics and embedded systems communities. “The major challenges for e-mobility are the strong requirements for the electronic systems inside an electric vehicle”, says General Chair Wolfgang Rosenstiel, Professor at University of Tübingen. Important topics for this special day are among many others control and operation strategies to optimize energy consumption and recovery, electromagnetic interference due to high and low-voltage electronics, and efficient vehicle to grid solutions with smart recharging capabilities.

Industry, research and clusters in partnership

“With its outstanding combination of industrial tutorials, panel discussions of industry leaders, leading edge scientific conference, numerous workshops and a reinforced Exhibition presenting EDA vendors, foundries, innovative start-ups as well as collaborative research projects, DATE is truly bringing together industry and research in partnership,” says Jürgen Haase, Exhibition Program Chair and Managing Director of edacentrum, adding: “DATE 2012 will go even further and feature special activities to highlight the intensive collaboration between the Grenoble and Dresden clusters and to initiate new initiatives.”

For further information please visit: www.date-conference.com.

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DATE 2011 exhibition attendance increases 40% - consolidating global importance [2]
2011-03-24
After the successful 2010 meeting in Dresden, DATE can now disclose that attendance numbers for the DATE 2011 exhibition (900) were more than 40% up on last year.

The overall number of conference attendees (1,400) increased by 8% compared to the successful DATE 2010 event. This presents an increase in the conference, tutorials, Friday workshops and showed substantial growth due to the high industry relevance and the undoubted role of DATE as a leading event worldwide.

In her welcome address, the conference Geneviève Fioraso, Deputy Mayor of Grenoble, highlighted the outstanding level of cooperation between the “hidden capital of innovation” Grenoble and the Dresden cluster, and the signification of DATE for the micro- and nano-electronics industry, and for the embedded systems industry.

DATE continues to be a world-leading conference in terms of the innovation and quality of contributions. “We are very impressed by the quality and the overall relevance of the panels and the technical presentations at DATE 2011,” says Anton Domic, Senior Vice President and General Manager at SYNOPSYS, adding: “DATE is clearly a high-quality event and we hope 2012 in Dresden will mark another successful conference for the industry.”

The exhibition floors were very busy for the three days of the exhibition. “For GLOBALFOUNDRIES DATE 2011 in Grenoble was a big success. With an excellent venue, a high quality conference and lots of business talks Grenoble has presented itself as a perfect host for this event,” says Gert Tappe, Director Design Enablement Dresden at GLOBALFOUNDRIES. “We are looking forward to repeating this in Dresden next year.”

DATE 2012 will take place in Dresden, Germany from 12-16 March 2012, once again bringing together industry and research in partnership.

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DATE 2011 Advance Program is Available [2]
2011-02-04
“Most of the topics addressed by this year’s technical papers are well in line with the most urgent needs by industry”, says Prof. Enrico Macii, DATE 2011 Technical Program Chair, “confirming the tight connection that the conference holds with the industrial community”. Along the same path, the program features two sessions fully dedicated to Industrial Papers. This is one of several new initiatives aimed at consolidating and further promoting the links between the academic/research and industry community, and is one of DATE's priorities, concludes Prof. Macii.

By featuring two Special Days focusing on topics of outstanding importance, such as Smart Devices and Intelligent Energy, the DATE program will also provide important directions to key players in the semiconductor industry and academic research. Each of the Special Days will have a full program of keynotes, panels, tutorials and technical presentations.

Grenoble cluster shapes DATE 2011
DATE 2011 will take place at Alpeexpo Alpes Congrès in Grenoble, France, from 14 to 18 March 2011. Grenoble, located in the heart of the Alps and surrounded by the outstanding beauty of the Belledonne, Chartreuse and Vercors massifs, is a key semiconductor site in Europe with more than 38,000 people in micro and nano technologies (24,000) and embedded software (4,000). There are some 100 start-up companies located in the area in addition to 117 companies - 81% of which are SMEs.

“We are delighted to be hosting DATE 2011 here in Grenoble”, says Philippe Magenbach, Technology R&D Group Vice-President and General Manager of Central CAD & Design Solutions at STMicroelectronics. “The Grenoble area offers a world-class cooperative R&D cluster that brings together silicon process technology, design automation and SOC design know-how, to enable state-of-the-art low-power SoCs with high performance, and leading-edge application-specific process technologies.”

DATE 2011 will also benefit from the close link between research and industry established in the Grenoble area. “LETI is proud to support DATE in Grenoble” said Laurent Malier CEO of LETI. “DATE has strong reputation as a high quality conference and we expect that it will benefit from Grenoble’s scientific community known for its concentrated high-level expertise and pioneering collaborative work in micro- and nano-technologies, electronics, and software technologies with effective transfer of technology between Industry, Research and Education.”

Leading-edge semiconductor companies meet at DATE 2011
DATE 2011 will be the place where the European microelectronics industry meets with the top researchers from all over the world and organizes Europe-wide collaboration. “GLOBALFOUNDRIES welcomes and supports the DATE 2011 in Grenoble as a visible signal for a vital European microelectronics ecosystem,” says Gert Tappe, Director Design Enablement Dresden at GLOBALFOUNDRIES. “The partnership between the Dresden and the Grenoble microelectronics cluster is very synergistic in nature and is developing quickly into the European breeding ground for business in leading-edge semiconductors.”

DATE 2011 begins on Monday 14 March with one full day of 11 tutorials given by speakers from world leading EDA, semiconductor and system industries and ends on Friday 16 March with workshops on themes ranging from embedded systems and SOC design to 3D integration, FPGA-based acceleration and processor emulation.

For further information and advanced registration please visit: www.date-conference.com [2]

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Keep ahead with industry-driven - DATE 2011 in Grenoble [7]
2010-12-07
Tutorials Given by World Market-Leaders
DATE 2011 is offering 3 full-day and 8 half-day tutorials, providing an excellent opportunity for attendees to hear informative sessions given by leading domain experts. "DATE 2011 Tutorials are industry-driven", said Luca Fanucci, DATE 2011 Technical Program Chair. "With the majority of the speakers drawn from leading EDA, semiconductor and system industries, they will show how to cope with real-life design, verification and test challenges in complex system-on-chip and embedded systems design."
DATE 2011 will take place at Alpexpo Alpes Congrès in Grenoble, France, from 14 to 18 March 2011. Grenoble, located in the heart of the Alps and surrounded by the outstanding beauty of the Belledonne, Chartreuse and Vercors massifs, is a key semiconductor site in Europe with more than 38,000 people in micro- and nanotechnologies (D4,000) and embedded software (4,000). There are around 100 startup companies located in the area in addition to 117 companies – 81% of which are SME’s.

For further information please visit: date-conference.com [3].

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**DATE 2011 Executive Track: Panels and Special Sessions**

The DATE 2011 Executive Track will feature three panels where 15 top executives from leading global user companies (IDMs, fabless ASIC) and Providers (EDA, IP, Test, foundries, equipment, embedded software) will discuss their technology roadmaps, business decision-making, investment and returns as well as their long-term vision.

In addition DATE 2011 offers 18 panels and special sessions with strong industrial contributions and featuring high-profile speakers like Turing and Kaufman award-winners. The special session topics address key aspects in the design and test of electronic and embedded systems in multiple areas including die stacking, power management, manycore platforms, automotive systems, and component-based design for embedded systems.

The panels cover a comprehensive range of topics from test automation for embedded software to a critical review of the current state of logic synthesis and from verification methodology standards to low power formats. "DATE 2011 special sessions give a comprehensive insight into the current market conditions", says Wolfgang Mueller, DATE 2011 Special Session Chair. Co-chair Tom Fitzpatrick, Mentor Graphics, adds: "They also reflect trends in research and development expected to have a major impact on the future of the electronics industry and academic research."

**General Information on DATE 2011**

DATE 2011 will be an international conference attended by 1,400 experts and more than 800 exhibitors. The DATE attendees will benefit from a program consisting of 18 panels and special sessions with high-profile speakers and industrial contributions.

"DATE 2011 will have a strong focus on the design and test of embedded systems. We expect the exhibits of DATE 2011 to be the largest ever", says Professor Macii. "The exhibitors bring with them a wealth of industrial experience, and the DATE attendees will have the opportunity to learn from this experience."

"This year we have attracted an important number of submissions in these areas, and this has allowed us to select a total of 19 contributions, of outstanding quality, which will certainly represent milestones in the future development of these disciplines," comments Pietro Eles, Chair of the E Track.

"Among other new and eye-catching initiatives, the 2011 program includes two new sessions dedicated to Industrial Papers," says Professor Macii. "This is one of several new Date directions aimed at consolidating and further promoting a tight interaction between the academic/research community and industry. The sessions will provide the DATE attendees with a glimpse of some real-life design and technology challenges that industry considers important, that should be addressed in the short-to-medium term.

**Top Executives in Executive Track: Panels and Special Sessions**

The DATE 2011 Executive Track will feature three panels where 15 top executives from leading global user companies (IDMs, fabless ASIC) and Providers (EDA, IP, Test, foundries, equipment, embedded software) will discuss their technology roadmaps, business decision-making, investment and returns as well as their long-term vision.

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