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Christmas and New Year Greetings**Technical Information****LFoundry further strengthens its application innovation initiative through technology development programs**

Since this quarter LFoundry is driving two development projects in the field of Optoelectronics, in line with its application innovation initiative. In those projects new photodiode and nano-structured optical sensor concepts will be integrated in LFoundry's advanced 0.15 μ m CMOS process. The projects are in collaboration with the Fraunhofer Institutes FhG IMS and FhG IIS, respectively.

Besides the intensive move towards optoelectronics applications, LFoundry is furthermore widening its Moore-than-Moore activities through a joint project offensive in the field of High Q Inductors, as announced by the The Bavarian Research Foundation.

Together with the Fraunhofer Institutes FhG IZM, FhG IIS and the University of Applied Science, Deggendorf, new integrated inductors with high Q values will be developed. With this project LFoundry will extend its process technology capabilities for their 0.15 μ m process design kit (PDK) towards the large field of innovative integrated passives applications.

LFoundry further expanded its user-friendly all-in-one 0,15 μ m CMOS process design kit (PDK)

In September, LFoundry further expanded its user-friendly all-in-one 0,15 μ m CMOS process design kit (PDK) for innovative system-on-a-chip designs. The established foundry process of LFoundry is based on a 19 mask 0.15 μ m technology on a shallow trench isolation concept with optional 1-2 poly layer and up to 6 metal layers. This user-friendly, all-in-one process design kit offers I/O voltages of 1.8 V, 3.3 V and 5.0 V on PMOS and NMOS for high-speed and low-

leakage applications, including more than 370 digital standard cells. The company's manufacturing site is fully qualified according to automotive (TS16949) and smart card security (ISO15408) standards.

Business Topics

Chipus starts partnership with LFoundry to develop analog IP cores

Chipus Microelectronics, a Brazilian start-up with focus on power management and analog-front-end IPs, and LFoundry, a German advanced analog and mixed-signal semiconductor manufacturing foundry, established this week a partnership to develop ultra-low power analog IPs for mixed-signal and RF IC applications.

Read more at <http://www.chipus-ip.com/pdf/Imprint052009.pdf>

LFoundry launched a technical support centre in Dublin for the UK & Ireland in October

As LFoundry is experiencing growing interest from customers in the UK and Ireland, it was decided to launch a technical support centre in Dublin. For the start it will employ two experts. It is envisaged that key customer support will be provided at the customers' sites throughout the territory to ensure maximum customer benefit. A series of technical workshops throughout the UK and Ireland aims at providing engineers and technical managers a opportunity to experience LFoundry technologies and advanced mixed signal design techniques. The first of these workshops was focused on LDMOS and high voltage circuit design techniques and took place in October.

Our Speakers at Conferences & Events

Mr. Gerhard Metzger-Brueckl at the MOS Modeling and Parameter Extraction Workshop in Athens on Sept. 18th, 2009

The workshop covered all important aspects of compact model development, implementation, deployment and standardization within the theme: "Frontiers of Compact Modeling" for nanometer-scale CMOS/SOI circuit simulation. In a poster session Mr. Metzger-Brueckl presented a poster on the subject "Optimization of a RF CMOS Technology for High-Q-Inductors".

<http://www.mos-ak.org/athens/posters.php>



Mr. Michael Lehnert, CEO, at the International Electronics Forum in Geneva on Oct. 2nd, 2009

More than 100 delegates joined this year's "International Electronics Forum" in Geneva, which is a key international event for the semiconductor industry. The conference featured top level speakers from companies based across the globe and information on industry trends and movements. The format of the event allowed effortless networking with otherwise inaccessible people. Mr. Michael Lehnert was one of the speakers and gave a speech on "Analogue Mixed Signal - Today & Tomorrow".

http://www.futurehorizons.com/assets/ief2009-post_forum_summary_brochure_fina.pdf

Mr. Guenther Ernst at the Semicon Europa 2009 in Dresden on Oct. 6th, 2009

For the first time, the leading trade show of the European semiconductor branch was held in Dresden. It was an excellent platform to meet and communicate with customers, suppliers and business partners. The trade show was accompanied by a series of conferences. LFoundry's Vice President Operation, Mr. Guenther Ernst, lectured on "Agility and Productivity", with his speech titled "Managing High Mix for Success".

Dr. Johann Strasser at the Annual Conference of the Fraunhofer Institute for Integrated Systems and Device Technology (IIS) in Erlangen on Oct. 15th, 2009

The topic of this year's annual conference of the Fraunhofer IISB was "R & D for the European Semiconductor Manufacturing Industry – Success and Potential". Dr. Johann Strasser, Principal R&D, presented LFoundry's view "Requirements for Efficient Manufacturing Technology – from the Viewpoint of an ASIC Manufacturer".

Dr. Rainer Kaesmaier at the NMI's Analog/Mixed-Signal/RF Technical Network in Dublin on Oct 21st, 2009

NMI network events provide opportunities for professionals to meet, exchange views and debate the issues. On the occasion of the first NMI (National Microelectronics Institute) Innovation Network Event to be held in collaboration with MIDAS (Microelectronic Industry Design Association), Dr. Rainer Kaesmaier, Director Technical Marketing & Project Management, presented LFoundry's developments in the field of "High performance LDMOS RF & HV technology for a 0.15 μ m foundry design kit". LFoundry has recently integrated high voltage NLD MOS and PLDMOS devices with high RF-performance into their advanced 0.15 μ m CMOS/RFCMOS technology.

LFoundry was pleased to contribute to a successful networking day as an event sponsor.

<http://www.nmi.org.uk/design-innovation/analogue-mixed-signal-and-rf>

Partnership with EUROPRACTICE IC Services



In June, LFoundry announced a partnership with EUROPRACTICE IC Service to provide access to LFoundry's Advanced Mixed Signal Analog technology Multi-Project Wafer (MPW) platform for European companies and academic establishments to facilitate prototyping and small volume production. The EUROPRACTICE IC Service MPW center will be Fraunhofer IIS.

<http://www.europpractice-ic.com/docs/Press%20release%20Europpractice%20LFoundry%200609.pdf>

Events & Conferences

GSA Emerging Opportunities Expo & Conference in Santa Clara, Oct. 1st, 2009



The GSA Emerging Opportunities Expo & Conference attracts key decision makers within the semiconductor industry. LFoundry is a member of the GSA and is proud having participated in a US event for the first time. Our foundry service attracted great interested among the visitors and attendees and set the ground for our engagement in the US market.

NMI Gala Dinner & Annual Awards 2009

NMI held its annual Award Dinner at the Jumeirah Carlton Tower, London. This event attracted more than 300 executives from all over the world. LFoundry contributed with the "Novemberfest" that was opened following the awards.

Christmas and New Year Greetings

Best wishes for a peaceful Christmas
and a successful year 2010 to you, your staff and colleagues.
Thank you very much for your pleasant cooperation.



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