

MEDIA ALERT:

X-FAB to Exhibit Ultra-High-Voltage Process and New Analog Building Blocks for AC/DC Converters and AC LED Applications Available for Designers of Power Electronics at APEC 2014 Conference and Exposition

ERFURT, Germany – (BUSINESS WIRE) – Mar. 12, 2014 –

Who

[X-FAB Silicon Foundries](#), the leading analog/mixed-signal foundry and expert in “More than Moore” technologies

What

Will exhibit its high-performance power management solutions in 0.18 and 0.35 micrometer technologies at the Applied Power Electronics ([APEC](#)) [2014 Conference and Exposition](#) in Fort Worth, Texas, next week. These solutions include its ultra-high-voltage CMOS process and a new analog cell library available in its XU035 process that helps engineers design monolithic AC/DC converters. APEC is the premier event in Applied Power Electronics™; it focuses on the practical and applied aspects of the power electronics business.

X-FAB's new library of analog building blocks helps designers create AC LED and AC/DC converter applications quickly and efficiently. X-FAB believes it is the first foundry to offer such a comprehensive targeted analog library, with 13 new IP blocks including a 5V linear regulator and voltage reference. Schematic, layout and simulation are available for these IP blocks; silicon proof is expected mid-2014. The library is based on X-FAB's cost-optimized XU035 technology – a 0.35 micrometer modular 700V ultra-high-voltage non-epi CMOS process with single 5V gate oxide; it is engineered for applications requiring an integrated power and start-up device solution. The XU035 process offers low specific On-resistance 700V power devices and the lowest mask count in the foundry industry, enabling the most cost-effective solutions for consumer applications. This technology is ideal for energy conservation applications such as AC LED lighting, chargers with no-load power consumption and other power conversion and control applications.

When/Where

APEC Conference, Booth #415

Monday, Mar. 17, 2014 – 5-8 p.m.

Tuesday, Mar. 18, 2014 – Noon-5 p.m.

Wednesday, Mar. 19, 2014 – 10 a.m.-2 p.m.

Fort Worth Convention Center, Halls A-D

1201 Houston St, Fort Worth, Texas 76102

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About X-FAB

X-FAB is the leading analog/mixed-signal foundry group manufacturing silicon wafers for analog-digital integrated circuits (mixed-signal ICs). X-FAB maintains wafer production facilities in Erfurt and Dresden (Germany); Lubbock, Texas (US); and Kuching, Sarawak (Malaysia); and employs approximately 2,400 people worldwide. Wafers are manufactured based on advanced modular CMOS and BiCMOS processes with technologies ranging from 1.0 to 0.13 micrometers, for applications primarily in the automotive, communications, consumer and industrial sectors. For more information, please visit www.xfab.com.

Acronyms

BiCMOS	Bi-polar Complementary Metal-Oxide-Semiconductor
CMOS	Complementary Metal Oxide Semiconductor
AC/DC	Alternating Current / Direct Current
AC LED	Alternating Current Light-Emitting Diode
HV	High Voltage
IC	Integrated Circuit
IP	Intellectual Property
Non-epi	epi = epitaxy
V	Volts

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