

## Ultra Low Power Integrated Circuit Design For Wireless Neural Interfaces

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### *Ultra Low Power Integrated Circuit*

Cortus S.A.S., a leader in custom Systems-on-Chip (SoC) design services and integrated circuit (IC) provider, today announced that it is developing the high-performance Out-of-Order (OoO) processor ...

### *Cortus Develops Next Generation High-End RISC-V CPU Core for HPC*

With ever increasing System-on-Chip (SoC) complexity, energy consumption has become the most critical constraint for today's integrated circuit (IC) design. Consequently, a lot of effort is spent in ...

### *Power Reduction Techniques for Ultra-Low-Power Solutions*

Integrated circuits (IC) serve as the backbone of any information system and mobile devices. This course provides an in-depth review of the advanced technology in integrated circuit design targeting ...

### *COMP\_ENG 393, 493: Advanced Low Power Digital and Mixed-signal Integrated Circuit Design*

Professor Tetsuo Endoh's Group at Tohoku University's Center for Innovative Integrated Electronics has announced a new magnetic tunnel junction (MTJ) quad-technology that provides better endurance and ...

### *New magnetic tunnel junction quad tech provides endurance and reliable data retention*

ultra-low-power integrated circuits. Yes, the same technology Calhoun and Wentzloff researched as graduate students at the Institute. The same field they continued to work on as professors at their ...

### *The future of the IoT (batteries not required)*

Apply(This will open in a new window from which you will be automatically redirected to an external site after 5 seconds) ...

### *Research Engineer, Integrated Circuits for Ultra-low Power Digital Circuit Design and Testing*

According to Gartner, more than 65% of enterprises (up from 30% today)

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will adopt IoT products by 2020. According to Everactive, powering 1 trillion IoT devices would require replacing 274 million ...

## *A Future Of IoT That Is Battery-Less*

Analog AI processor company Mythic launched its M1076 Analog Matrix Processor today to provide low-power AI processing.

## *Mythic launches analog AI processor that consumes 10 times less power*

Navitas supplies GaN chips to companies including Anker, Aukey, Belkin, Dell, Hyper, Lenovo, OPPO, RAVPower, Verizon and dozens of others. Combining gallium (atomic number 31) and nitrogen (atomic ...

## *How GaN is changing the future of semiconductors*

Nordic Semiconductor has taken its next step towards being a one-stop solution to IoT design by introducing its first PMIC, the nPM1100.

## *Simplifying IoT: Nordic Launches Its "First" PMIC for nRF SoCs*

This half-inch square ultra-low power energy harvesting LiPo cell charger ... The BQ25504 is an integrated part that takes care of most of the heavy lifting and has nifty features like battery ...

## *Ultra-Low Power, Energy Harvesting Battery Charger*

Electricity is in the air as this edition of PowerBites brings you two wireless power technologies and a sneak peek at the world's first electric airplane race.

## *This Week in PowerBites: Electricity is in the Air*

InfiRay has developed the world's 1st 8 micron uncooled thermal camera detector, with a large array (1920 x 1080) and core technologies including a low noise readout circuit, high uniformity ...

## *InfiRay Releases World's 1st 8 Micron Thermal Camera Detector*

Professor Tetsuo Endoh's Group at Tohoku University's Center for Innovative Integrated Electronics ... node and will pave the way for ultra-low-power consumption for Internet of Things (IoT ...

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