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That ' s where the digital to analog (DAC) voltage converter comes in. In this session, we ' re going to be putting together a simple DAC so that later on we can use our logic circuits to put out ...

Logic Noise: Digital To Analog With An R-2R DAC

When you first learn about digital logic ... While we tend to think of our circuits as perfect, they aren ' t. The logic gates are fast — very, very fast — but they are not infinitely fast.

Pipelining Digital Logic In FPGAs

What do each of these words mean, and how might they apply to variables in electric circuits other than conductivity? Digital logic circuitry makes use of discrete voltage levels: each “ logic gate ” ...

Digital Logic Signals

In the world of alternating current (AC) motors and their associated shaft-turning applications across all industries, no components have

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made a greater impact than the AC variable frequency drive ...

Advanced variable frequency drives are working in more applications

In what is seen as a major boost for 5G mobile communication, Samsung has announced that its foundry division has developed an 8-nanometer (nm) process technology for radio frequency (RF) chips. This ...

Samsung develops 8nm RF chip process tech - Major boost for 5G communication

And yet, in principle, they are merely a logical succession of events, and could even be used to form digital circuits ... researchers as logic functions in the switching circuit.

Changing the shape of soft matter using logic circuits made from DNA

Applied Materials said it has made a wiring breakthrough that could pave the way for three-nanometer semiconductor chips.

Applied Materials: Wiring breakthrough will enable 3-nanometer chips

As power differences grow between industrial equipment and digital electronics, interfacing can be a challenge. Maxim Integrated has a possible solution to help.

Maxim Integrated Simplifies System Monitoring With Five ICs in One

Built using "pseudo-integrated-circuits," this piece of space history was used to test Apollo computer systems.

Ken Shirriff Tackles Reverse Engineering a Diode-Transistor Logic Apollo Computer Buffer Unit

FPGAs can be difficult to learn, but projects like STEP-MXO2 — a

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small, breadboard-friendly 40-pin development board — look to lower the barrier to entry. The STEP-MX02's compact form factor makes it ...

STEP-MX02 Development Board Provides Entryway to Learning FPGA

And yet, in principle, they are merely a logical succession of events, and could even be used to form digital circuits ... researchers as logic functions in the switching circuit.

DNA circuits

Timing relationships between signals are critical to reliable operation of digital designs. With synchronous designs, the timing of the clock signal relative to data signals is especially important.

How to Track Down Setup and Hold Violations with a Mixed Signal Oscilloscope

Zacks Equity Research Shares of Abercrombie & Fitch Co. ANF as the Bull of the Day, Cirrus Logic, Inc. CRUS as the Bear of the Day. In addition, Zacks Equity Research provides analysis on DTE Energy ...

Abercrombie & Fitch, Cirrus Logic, DTE Energy, NextEra Energy and Xcel Energy highlighted as Zacks Bull and Bear of the Day
Samsung developed 8-nanometre (nm) process technology for radio frequency (RF) chips, boosting the power and efficiency of 5G communications.

Samsung boosts 5G power with 8nm chip tech

Nanomagnetics Market is forecast to reach \$8.0 billion by 2025, after growing at a CAGR of 3.9% during 2020-2025, ow ...

Nanomagnetics Market Forecast to Reach \$8.0 Billion by 2025

New 8nm RF chip architecture provides up to 35 percent increase

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in power efficiency and 35 percent decrease in logic area compared to 14nm RF Samsung Electronics Co., Ltd., ...

Samsung Successfully Completes 8nm RF Solution Development to Strengthen 5G Communications Chip Solutions

Feng Han - "When Nothing surfaces in signs, when Nothingness emerges at the very heart of the sign system, that is the fundamental event of art. The poetic operation is to make Nothingness rises from ...

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