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## Europe embraces wide-bandgap semiconductors



Alix Paultre

Disruptive forces are going through the power electronics industry, driving development and challenging manufacturers to keep up with the latest in materials, topologies, and technologies. Digitally-enabled power systems, advanced topologies, and wide-bandgap semiconductors are moving the industry forward, leveraging one another to create the next generation of power infrastructure. The recent Power Control and Intelligent Motion (PCIM) conference in Nuremberg was a cavalcade of engineering demonstrations, each showing solutions based on one or all of the disruptive technologies now available. The greatest buzz was?



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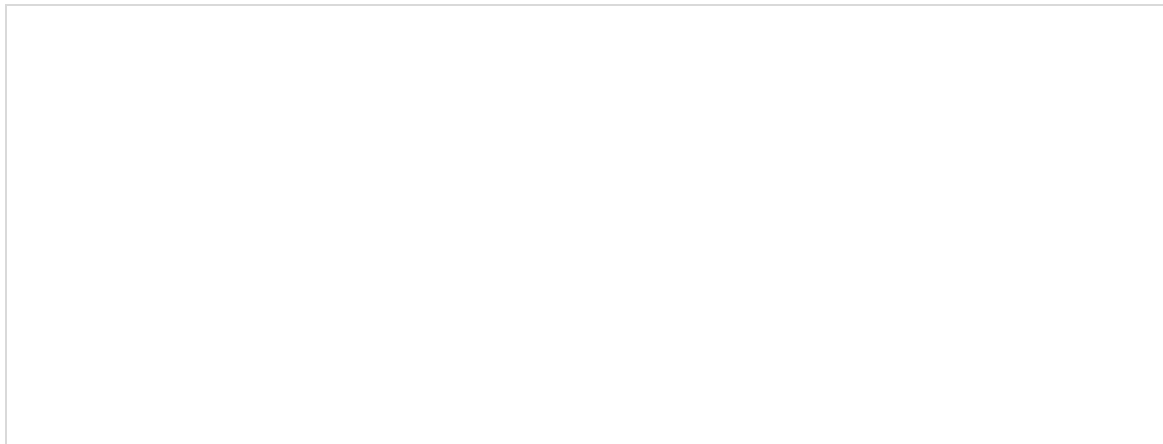
## PCIM: Panasonic talks GaN devices



Alix Paultre, Contributing Editor

In this video, Marco Panizza from Panasonic talks about their latest Gallium Nitride (GaN) power devices with Alix Paultre of Embedded Computing Design at PCIM2017. [Continued...](#)

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## PCIM: Murata describes their new power supplies



Alix Paultre, Contributing Editor

In this video, Charlie Swiontek of Murata talks about some of their latest power supplies, including digital solutions, with Alix Paultre of Embedded Computing Design at PCIM in Nuremburg. [Continued...](#)

## PCIM: Ericsson introduces new board-level power modules



Alix Paultre, Contributing Editor

In this video, Martin H?gerdal, President of Ericsson Power Modules, talks to Alix Paultre of Embedded Computing Design about their latest board-level power solutions, including devices compatible with the "Architects of Modern Power" digital communication and form-factor standards. [Continued...](#)

## PCIM: CUI describes software-defined power solutions



Alix Paultre, Contributing Editor

In this video, Jeff Schnabel of CUI talks to Alix Paultre of Embedded Computing Design about software-defined intelligent power solutions on display at PCIM 2017. [Continued...](#)

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# PCIM: Allegro explains automotive LED tech



Alix Paultre, Contributing Editor

In this video Mark Gaboriault from Allegro Microsystems talks to Alix Paultre of Embedded Computing Design about next-gen LED automotive lighting at PCIM 2017. [Continued...](#)

# PCIM: Vicor discusses power engineering design



Alix Paultre, Contributing Editor

In this video, Hannes Schachenmayrs from Vicor talks to Alix Paultre of Embedded Computing Design about the challenges engineers face when building advanced power systems. Vicor's web-enabled design and simulation software and modular scalable power system offers promise in reducing that burden. [Continued...](#)

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# PCIM: RSG on custom power supplies



Alix Paultre, Contributing Editor

In this video, Stephan Westerbecker from RSG speaks with Alix Paultre of Embedded Computing Design about the company's custom power solutions for alternate energy applications, medical power, and aerospace at the PCIM 2017 conference in Nuremberg. [Continued...](#)

# PCIM: Omicron Labs explains their advanced testing solution



Alix Paultre, Contributing Editor

In this video, Florian H?mmerle from Omicron Labs talks to Alix Paultre of Embedded Computing Design about an advanced test rig for testing inductors to highlight the capabilities of their technology at PCIM 2017. [Continued...](#)

# PCIM: Picotest describes their latest harmonic comb for test systems



Alix Paultre, Contributing Editor

In this video, Steve Standler from Picotest explains to Alix Paultre of Embedded Computing Design how his company's new harmonic comb filter works in a testing system at PCIM 2017. [Continued...](#)

# PCIM: ON Semiconductor showcases its Silicon Carbide technology



Alix Paultre, Contributing Editor

In this video, Merhad Baghaie from ON Semiconductor talks about some of their latest wide-bandgap technology ? specifically Silicon Carbide ? with Alix Paultre of Embedded Computing Design at the PCIM 2017 conference in Nuremberg. [Continued...](#)

## Embedded Insiders Podcast: Power, PCIM, and Europe



Rich Nass, Embedded Computing Brand Director *and* Alix Paultre



Once again, power takes center stage, at least in this week?s Embedded Insiders podcast. ECD Power Editor Alix Paultre is at the PCIM show in Germany, Europe?s premier event for the power-semiconductor industry. In our discussion, Alix details what was hot at the show, and why. Interestingly, we discussed how and why some technologies seem to be more in vogue in the U.S. verses Europe and vice-versa. [Continued...](#)



## Springing forward: The power industry continues to integrate disruptive technologies



Alix Paultre, Contributing Editor

Spring is a time of change, growth, and development, and the power electronics industry has been no stranger to the three. Between new topologies, materials, and packaging is the growing integration of hardware and software and the related increase in pressure on the designer. This pressure extends from the design bench to the factory floor, as the need for increased power density, output, and functionality often present conflicting demands on the design engineer. Recent devices and products unveiled to the industry are helping to? [Continued...](#)



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