GaN Power Devices: Present and Future

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Thanks to its superior switching properties, GaN is penetrating several power applications, including fast chargers, power supplies, solar inverters, and automotive. With higher conversion efficiency, GaN allows miniaturization and energy savings. In this seminar, we review GaN technologies available today and in development for tomorrow. You'll learn about success stories and industry trends. From low-power devices for mobile chargers to high-power devices for electric vehicles, covering a staggering spectrum of opportunities. I will give a preview of future GaN technology nodes, including 1200-V rating, short-circuit capability and bi-directional switches, enabling an unprecedented revolution in power electronics.