

Media Alert

ON Semiconductor Is Going Virtual for embedded world 2021 DIGITAL

The online format for embedded world 2021 will enable ON Semiconductor to give engineers an unparalleled visitor experience

PHOENIX, Ariz. – 25 February, 2020 – ON Semiconductor (Nasdaq:ON), driving energy efficient innovations, is embracing the opportunity to help make embedded world 2021 DIGITAL a successful trade show. ON Semiconductor will be delivering a unique visitor experience, offering 21 product demonstrations, as well as highlighting several of its newest product introductions and showcasing a complete sensor-to-cloud solution.

The 21 demonstrations will be arranged into six dedicated online reception areas, covering: High Voltage Power Supply; Intelligent Image Sensing; IoT e-Market Places; IoT Sensor Systems; IoT Vertical Solutions, and Smart Power & Control. The demonstrations available will cover a number of applications, including smart access control, hospital asset tracking and measuring power consumption in edge devices.

ON Semiconductor will also present more details about its [new family of sensor platforms](#) that integrate with the [Bosch IoT Suite](#). The software platform for IoT solutions is already being used to connect over 15 million sensors, devices and machines to users and enterprise systems. Through an end-to-end, sensor-to-cloud platform using ON Semiconductor's solutions and the Bosch ecosystem, ON Semiconductor will show how accessible the IoT can be.

Other highlights available at ON Semiconductor's embedded world 2021 DIGITAL [demo room](#) include a chance to find out more about the new [NCP51810 Gallium Nitride \(GaN\) Gate driver](#), which brings the benefits of Wide Bandgap (WBG) Enhancement Mode GaN to create even smaller and higher efficiency power supplies for embedded systems. The NCP51810 can sustain 150 V, making it well suited to 48 V systems in applications such as Point of Load, industrial power modules, and intermediate bus converters as used in data centers. This GaN gate driver features unique EMI noise rejection and advanced diagnostic monitoring, which make this device a best-in-class. The power supply topologies supported are many and include resonant, half-bridge, full-bridge, active clamp converters and non-isolated step-down/buck converters

The show will highlight the [NCL31000 smart LED driver](#), with a demonstration of a visible light communication (VLC) application. VLC is an optical communication method using visible light as a carrier wave, while avoiding disturbance to the human eye. The technology is already being used to enable high accuracy indoor positioning, achieving accuracies measured in centimetres rather than metres. The NCL31000 intelligent LED driver allows true dimming to dark, can power the complete system and provides precise measurement of all system voltages and currents.

In addition to hosting an online demo room, ON Semiconductor is also organizing three live webinars on [power over Ethernet and connected lighting](#), [event-triggered imaging using the RSL10 smart shot camera](#) and [implementing angle of arrival real-time localization systems from Quuppa on an RSL10-based sensor node](#).

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Additional resources & documents:

[Event page](#)

[Webinars page](#)

[Demo Room](#)

[Blog](#)

About ON Semiconductor

ON Semiconductor (Nasdaq: [ON](#)) is driving energy efficient innovations, empowering customers to reduce global energy use. The company is a leading supplier of semiconductor-based solutions, offering a comprehensive portfolio of energy efficient, power management, analog, sensors, logic, timing, connectivity, discrete, SoC and custom devices. The company's products help engineers solve their unique design challenges in [automotive, communications, computing, consumer, industrial, medical, aerospace and defense applications](#). ON Semiconductor operates a responsive, reliable, world-class supply chain and quality program, a robust compliance and ethics program, and a network of manufacturing facilities, sales offices and design centers in key markets throughout North America, Europe and the Asia Pacific regions. For more information, visit <http://www.onsemi.com>.

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