

## 200 mm GaN-on-Silicon microLED Applications

Veeco Instruments Inc. and ALLOS Semiconductors GmbH announced the completion of another phase of their mutual effort to provide the industry with leading GaN-on-Silicon epiwafer technology for microLED production. The purpose of the companies' most recent collaboration was to demonstrate the reproducibility of ALLOS' 200 mm GaN-on-Si epiwafer technology on Veeco's Propel® MOCVD reactor when producing epiwafers for many prominent global consumer electronics companies.

"To bring microLED technology into production, simply presenting champion values for a single metric is insufficient. It is essential to achieve the whole set of specifications for each wafer with excellent repeatability and yield," said Peo Hansson, Ph.D., senior vice president and general manager of Veeco's Compound Semiconductor business unit. "This successful joint effort reaffirms the power of combining Veeco's superior MOCVD expertise with ALLOS' GaN-on-Silicon epiwafer technology to provide customers a novel, proven and reliable approach to accelerate microLED adoption."

Sorting and binning are standard methods to achieve wavelength



consistency for conventional LEDs. But microLEDs are too small and numerous to be sorted and binned; therefore, the uniformity of the epitaxial deposition is even more critical. The most important success factor for turning the promise of microLED displays into mass production reality is to achieve extremely good emission wavelength uniformity, which eliminates the need to test and sort individual microLED chips.

[www.veeco.com](http://www.veeco.com)

[www.allos-semiconductors.com](http://www.allos-semiconductors.com)

## Thomas Krebs new Head of Application



Aaron Hutzler as Head of Application has left PINK GmbH Thermosysteme for personal reasons end of November 2018. Since mid of 2016 he took over the responsibility of setting up a strong and successful application team. He started alone and today the team consists out of 10 employees and offers a variety of applications services to customers worldwide. Thomas Krebs will take over the responsibility for this application team in January 2019. He

is a 45-year-old graduated Engineering Manager and has many years of experience in integrated circuit packaging. For 11 years he worked

for the Heraeus technology group in Hanau, where he built up the application centre and ran the power electronics and sintering groups until 2016. In 2016 he became responsible for the global management of Applications for SLM Solutions, a manufacturer of 3D metal printing systems.

The experience and knowledge Mr. Krebs is having, is ideal for his new position. We look forward to working with him in the future. A warm welcome to the team!

[www.pink.de](http://www.pink.de)

## Innovation Award 2019: Submit Projects Now

The Association for Sensors and Measurement (AMA) invites researchers and developers to compete for the renowned AMA Innovation Award for 2019. The AMA is looking for research and development results in sensor and measuring technology. The submission deadline is 31 January 2019. Individuals or developer teams may submit innovative research and development projects that have a clear market relevance. The renowned AMA Innovation Award is endowed with 10,000 euros. Young enterprises that have been on the market no longer than five years, have no more than 50 employees, and an annual turnover of less than 10 million euros, may compete for the special Young Enterprise Award. The winner in this category

will receive a trade-fair stand at the SENSOR+TEST 2019 free of charge. The AMA Innovation Award has been presented for 19 years to innovative individuals in sensors and measurement. It goes to the developers themselves, not their institutes or enterprises. The jury comprises representatives from universities, institutes, and enterprises. The jury members especially consider novel approaches, the general scientific achievement, as well as the project's chances on the market.

[www.ama-sensorik.de/en/science/ama-innovation-award](http://www.ama-sensorik.de/en/science/ama-innovation-award)

World wide support in English by

**Bodo's Power systems®**

[www.bodospower.com](http://www.bodospower.com)

Asian support in Mandarin in China

**Bodo's Power systems®**  
China

[www.bodospowerchina.de](http://www.bodospowerchina.de)