

Smoltek presents impressive numbers at SEMICON Taiwan



CTO, Vincent Desmaris (far left) together with keynotes and speakers at SEMICON Taiwan 2019

SEMICON Taiwan is the premier event in Taiwan for microelectronics manufacturing. On site one is able to connect with the leading companies, people, products and information shaping the future of design and manufacturing for semiconductors, nanoelectronics, MEMS, Photovoltaics and related advanced electronics.

At the annual SEMICON Taiwan in September 2019 Smoltek had the chance to discuss and network with the leading individuals in this advanced packaging and foundry industry.

“It is always a stunning experience to be in the homeland of the major semiconductor foundries and advanced IC packaging business, where much of the break-through innovation that drives the computer industry sees the light of day”, says Smoltek COO Ola Tiverman, on site in Taipei.

Ola continues: “To see that Smoltek may very well be helping this industry to continue scaling with our unique nanotech capacitor is nothing but humbling.”

On Friday September 20 Smoltek CTO, Prof. Vincent Desmaris, went on stage in the major ballroom. There he could unveil a number of improved and new characteristics of the CNF-MIM capacitor including the capacitance density and stability vs voltage bias and temperature, that clearly supersedes the common MLCC technology. These new and improved numbers puts the CNF-MIM technology in a brighter light on the advanced packaging scene.



CTO, Vincent Desmaris presentation at SEMICON Taiwan 2019

Trending in the IC community

Among the trends discussed – and there were many trends – **the vertical stacking and packaging of IC die** seemed like a common denominator. What the industry has been talking about for years is now being realized!

The continued space reduction, caused by mobile phone’s larger batteries, the IoT self-contained SoC, and general performance and downsizing challenges in AI and sensors, further suggest the need for both smaller discrete capacitors as well as more efficient direct integrated capacitors.

“Wonderful music to our ears at Smoltek!”, Ola Tiverman concludes.

We are eagerly looking forward to when we have a chance to present the next innovative breakthrough from our R&D lab. This could happen sooner rather than later. And we are already looking forward to the SEMICON Taiwan event in 2020.