

PCNS 2019 – Smoltek voted “Outstanding Paper Award”



Ola Tiverman, COO and Dr Sascha Krause, R&D Engineer on site at PCNS 2019

PCNS is a bi-annual international symposium organized by EPCI in cooperation with an European tech university. This year the event was held in Bucharest, Romania.

The IC industry, following Moore’s Law, have been focusing on the downsizing and the increased density of the integrated transistors, as that has been the main driver for scaling performance. But the electronic circuits need an increasing amount of better passive components within ever shrinking package sizes.

“To give passive components (such as capacitors, inductors, resistors) the attention it deserves being critical components the EPCI arranges the conference PCNS (Passive Components Networking Symposium) every second year”, says Dr Tomas Zednicek founder of EPCI.

The first PCNS event was held in Brno, Czech Republic 2017 and this year it was co-arranged with University Politehnica in Bucharest, Romania.

Introducing CNF-MIM to the EPCI community

In September 2019 Smoltek attended the 2nd PCNS, this year held in Bucharest, Romania. For Smoltek the PCNS was a unique possibility to meet and discuss with potential discrete CNF-MIM capacitor license customers, i.e. discrete capacitor manufacturers, as well as their customers.

Researchers from academia specialized in the passive components were also presenting their work. One of the themes discussed during the three-day conference was the inherent problems with MLCC class II DC bias, temperature and ageing degradation. This causes a lot of problem for the system designers where all these factors add up to a reduction of a majority of the rated capacitance. The consequences can be fatal errors, e.g. in automotive, airplane or space contexts, as we learned at the conference.

"We couldn't have had a better pre-setting for our paper, presented at the conference by R&D Engineer Dr Sascha Krause. The Smoltek paper also received the Outstanding Award as voted by the PCNS attendees", says a pleased Ola Tiverman, COO at Smoltek.

"Thank's to the organizers at EPCI and all the participants. We're looking forward to seeing you again in Italy 2021!", Ola says.



All technical papers and articles from PCNS 2019 are published here: <https://passive-components.eu/e-symposium/>