

Dear PCIM Asia participants,

I am very proud to invite all of you to the PCIM Asia Conference and Exhibition 2021 in Shenzhen.

Researchers, application engineers and experts from industry and academia will meet to discuss and exchange ideas on future digital energy systems, advanced smart power converters, energy efficiency by applying the next generation of power devices, new materials for chip interfacing technologies and proper power module designs considering all parasitics including extended lifetime for power devices. I am very happy that this year we are having an outstanding high level technical program in complimentary to 3 leading experts for keynote presentations, one tutorial, one special session on multilevel topologies in addition to one dedicated session on selected topics from the PCIM Europe digital days 2021. Companies are eager to utilize the PCIM Asia for launching new products in the market and leading scientists are presenting their latest research achievements for power electronic components, building blocks and systems. Decision makers from companies use the PCIM Asia platform to generate new market segments and trigger future research directions. The driving targets for power conversion systems are weight-, volume- and cost reduction along with an increase in lifetime.

Product innovations will be a focus at PCIM Asia Conference this year

The new generation of wide bandgap devices are covering a wide power range and showing a high maturity level in terms of ruggedness and reliability. An exciting technical program compiled is addressing the next generation of power devices with a strong focus on wide bandgap material and the latest research results on advanced digital controlled power converters for industry and automotive applications.

Highlights of important development trends

Definitely an exciting discussion will come up of how to manage the ultrafast switching devices with extremely high power density in terms of circuit parasitics and thermal management. In the keynote presentations this year, we are highlighting energy digitalization, power density and efficiency in data centers of the future as well as driving and protection of SiC devices. Distinguished speakers will be discussing high power multilevel converter topologies.

Special attention has been paid to research carried out by young engineers with the presentation of the Young Engineer and Best Paper Awards during the PCIM Asia Conference 2021 – this is certainly one of the highlights of the conference.

I am very excited having the opportunity to interact with the power electronics experts around the globe and look forward to sharing with all of you an outstanding and successful high level technical conference in Shenzhen.

Leo Losay

