

Dear PCIM Asia participants,

I am very pleased and honored to welcome all of you to the PCIM Asia Conference and Exhibition 2022 in Shanghai.

The PCIM Asia Conference the leading Power Electronics Event worldwide for discussing future technology trends in this technical domain and offering a competent platform for introducing the new generation of components and scalable power electronic building blocks in the market. Researchers from academia and experts from industry will provide presentations and being available for open discussions on new materials for power devices and passive components, advanced packaging technologies with extended lifetime and outstanding reliability, digital controlled energy systems and AI solutions for smart power converters. This year in our technical program we are covering dedicated innovations in the field of power electronics in complimentary to three leading experts for keynote presentations, two special sessions on WBG Devices and AI solutions for intelligent power conversion systems and two Chinese sessions. The PCIM Asia serves as a technical and scientific platform for engineers and researchers in the field of power electronics as well as decision makers from companies to generate new market segments and trigger future research directions.

Pioneering work of new products will be discussed during this year the PCIM Asia Conference

The technical program of this year's PCIM Asia is covering advanced developments of new power semiconductor devices based on Si and WBG (SiC& GaN) technologies with smart gate driver solutions, dedicated packages for ultrafast switching devices with extended lifetime and predictive diagnostic functions as well as smart digital controlled power conversion concepts with the impact of AI solutions.

Conference highlights and important milestones in Power Electronics

The keynote presentations on High Power Semiconductor Circuit breaker development, benefits of DC Grids in renewable energy technologies and power solutions for Server Applications are addressing important development trends in power electronics. A further strong focus is on new materials to achieve a technology breakthrough towards elevated temperature along with an extended lifetime of devices and smart digital controlled power converter concepts. Distinguished speakers will be discussing Challenges in High Power Density Converter design as well as passive components and filter design.

Special attention has been paid to research carried out by young engineers from industries and universities with their presentations and Best Paper Awards during the PCIM Asia conference 2022 – these are certainly further highlights of the conference.

I wish you an enjoyable and successful conference, an open dialog with all the experts and packed with new ideas for your future product innovation and business.

Leo Losey



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