



PRESS RELEASE

ECPE Workshop "Advances in Thermal Materials and Systems for Electronics"

This workshop takes place on the 8th and 9th of December 2015 at the Caritas-Pirckheimer-Haus (CPH), Königstr. 64, Nuremberg, Germany. A Tabletop exhibition is planned to get a better picture which tools are available and to stimulate discussions.

System integration of power electronics systems yields to many improvements, like electrical performance, reduced size and weight and finally less cost. Thermal management, however, becomes more complex and calls for increasing attention.

The first day deals with Thermal Interface Materials (TIM):

As there are many different TIMs in use, the workshop will start with a classification of materials, properties, and applications. Case Studies will show the potential of different TIM materials. Next TIM reliability will be discussed from the testing and characterization point of view under consideration of the physics of failure.

The second day starts with thermal management of advanced substrates, like embedded power boards and substrates with channels for liquid cooling. Case studies describing double-side cooling and two-phase cooling demonstrate the maximum cooling capability.

Finally thermal management solutions for power electronics systems will be discussed.

The workshop is chaired by Prof. Eckhard Wolfgang (ECPE e.V.), David L. Saums (DS&A LLC), and Dr. Olaf Wittler (Fraunhofer IZM).

All presentations and discussions will be in English language.

About ECPE:

The ECPE European Center for Power Electronics e.V. was founded in 2003 by eight industrial enterprises as an industry-driven Research Network for Power Electronics in Europe. In the meantime the network comprises 75 member companies. Furthermore, about 80 European universities and research institutes are integrated in the network as so called Competence Centres.

For further questions regarding this Workshop, please contact: ECPE e.V.
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