

On behalf of our cooperating partner, we would like to draw your attention to the upcoming side-event at the industrial exhibition WindEnergy Hamburg in September 2018. In collaboration with the Fraunhofer ISIT – Application Center Power Electronics for Renewable Energy Systems Renewable Energy Hamburg (EEHH) would cordially invite you to reserve your place in the following workshop:

Wind energy power quality improvement & supply of ancillary services using advanced control of power converters

Providing grid support and ancillary services for a more efficient integration of wind energy

27th September 2018, 10:00 – 10:30am

Hamburg Messe und Congress GmbH, Messeplatz 1, 20357 Hamburg Hall A4, stand 4.301

Speakers:

Prof. Dr. Holger Kapels, Head of Business unit Power Electronics, Fraunhofer ISIT
Dr.-Ing. Georg Pangalos, Sr. Specialist Control Engineering, Fraunhofer ISIT

With the increasing share of renewable energy, power systems are undergoing a rapid transformation driving a structural shift in the way they will be operated. Power electronic converters have the potential to significantly facilitate the integration of the increasing amount of non-synchronous renewable energy sources in the system.

Quality, robustness and efficiency improvement with the help of **Wide Bandgap SiC based devices** for power conversion on the one hand, delivery of new types of ancillary services in unstable grid conditions thanks to new control capabilities offered by **Model Predictive Control** and the simultaneous multi-variable optimal control on the other hand.

In the end it is all about two questions:

What is the adequate solution framework? What tools to invest into to achieve an efficient integration of wind energy and deliver ancillary services?

The Application Center Power Electronics of the Fraunhofer ISIT together with EEHH would like to address those questions from different perspectives and take you on a journey at the forefront of the latest technological developments.

Spread the word within your organization and make sure your company does not miss this opportunity. Directly come in contact with our experts' right after the presentation and reserve your individual appointment.

mit freundlichen Grüßen | *with kind regards*

Lisa Niemann

Project Leader International Relations



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www.eehh.de/de/events/uebersicht/details/windenergy-hamburg-2018.html