



EMC Professional Talk



Eckart HOENE

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Design of EMC Filter for Automotive Onboard Charger

Designing EMC filters for onboard chargers is a challenging task due to the multiple restrictions to be considered. The presentation introduces tricky border conditions like limited residual currents and demonstrates the designing process using circuit simulators and selecting especially the inductors.

14 October 2021, 15:00-16:00 (CEST)

Zoom: <https://aaudk.zoom.us/j/66028109311>

Meeting ID: 660 2810 9311 Passcode: EMCDenmark

About the speaker:

Prof. Eckart Hoene studied Electrical Engineering at the Technical University Berlin, where he received his Dipl.-Ing degree. He joins the Fraunhofer Institute for reliability and Microintegration in 1997 and worked as scientific assistant on EMC in power electronics. This was also the topic of his PhD degree he received from the TU Berlin in 2001.

Since 2006 he is leader of the power electronic systems group at Fraunhofer IZM, Berlin. His work group comprising ten scientists focusses on packaging power electronics, development of power electronic devices and EMC. Since 2012 Dr. Hoene is also business development manager power at Fraunhofer IZM.

From 2014 Dr. Hoene is an adjunct Professor in Power Electronics at Aalborg University, Denmark and Power Electronic Systems group leader at Fraunhofer IZM Berlin. He is chair and lecturer for several ECPE seminars, tutorials and lab courses and regularly invited speaker on conferences. Eckart Hoene authors and co-authors more than 80 publications. He has received three best paper awards and holds 6 patents.

Organization:

Associate Prof. Pooya Davari, AAU Energy, Aalborg University
EMC Chapter Chair, IEEE Denmark EMC Chapter

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