

Improving polymers against partial discharge Niels Müller defended his doctoral thesis

Congratulations!

With special consideration of the hygiene requirements due to the Corona pandemic, Niels Müller defended his doctoral thesis about “Investigations on the partial discharge resistance of polymers” (German original title: “Untersuchungen zur Teilentladungsresistenz von Polymeren”) on Monday, July 12th, 2021.

Special thanks to Prof. Dr.-Ing. Holger Hirsch from the Institute of Electrical Power Transmission of the University Duisburg-Essen for his support as the second examiner!

The research work for his dissertation was funded by the German Federal Ministry for Economic Affairs and Energy and was conducted in cooperation with industrial partners.

Dr. Müller already published parts of his thesis in a peer-reviewed journal.

N. Müller, S. Lang, R. Moos:

Influence of Ambient Conditions on Electrical Partial Discharge Resistance of Epoxy Anhydride Based Polymers Using IEC 60343 Method
IEEE Transactions on Dielectrics and Electrical Insulation, **26**, 1463-1470 (2019), doi: 10.1109/TDEI.2019.008070



The evaluation board and the candidate in corona-compliant distance.
From left to right: Prof. Hirsch, Prof. Freitag, Dr. Müller, Prof. Ruckdäschel, and Prof. Moos