nanoSeminar Series 2021

Institute for Materials Science

Dr. Josef Pihera

Department of Technologies and Measurement · University of West Bohemia, Plzen, Czech Republic

“Dielectric materials diagnostics in electrical engineering ”

Thursday, December 2nd 2021
13:00 – 14:00

Normal: Seminar Room 115, Hallwachsstr. 3 (HAL)
Pandemic version: https://tinyurl.com/nanoSeminar-GA

Operation lifetime without failures off all electrical machines, devices and components is a aim off all asset stakeholders, customers and responsible service and operational staff. The diagnostics plays the crucial role in this technical world understanding.
Many methods have been invented over the years to monitor, measure, and understand the actual device condition and to estimate the rest lifetime of the device. The seminar lecture aims on the diagnostic methods for dielectric system properties description with special focus on curing monitoring and system homogeneity diagnostics, observed with using of partial discharges.

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Josef Pihera received the Master degree in electrical engineering from University of West Bohemia, Pilsen, Czech Republic in 2002 and the Ph.D. degree from the same university in 2005.
He is a member of department of Materials and Technologies where he is a lecturer, researcher and PhD supervisor.
He is also a researcher at the Regional Innovation Centre for Electrical Engineering (RICE) at the Faculty of electrical engineering of University of West Bohemia in Pilsen.
Josef is a IEEE senior member and CIGRE as well as several CIGRE working group member which are related to composites and partial discharges.
His research interests include partial discharges, composites, electrical insulations materials, dielectrics testing and monitoring.
He currently participates as project leader on several research and industrial projects.

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