



European Regional
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APPLICATION LABORATORY

MATERIALS FOR OXIDE ELECTRONICS

FEBRUARY 10, 2022 | 10 AM BERLIN TIME (UTC+1) | ONLINE EVENT VIA [ZOOM](#)

KICK OFF WORKSHOP

Welcome: Prof. Dr. Thomas Schröder | Leibniz-Institut für Kristallzüchtung (IKZ) | Berlin

Key Note: »Oxide thin films for advanced technologies«

Prof. Dr. Josep Fontcuberta | Institut de Ciència de Materials de Barcelona ICMAB | Barcelona

Morning Session

» $\beta\text{-Ga}_2\text{O}_3$ material for vertical power devices: Challenges to the epitaxy process«

Dr. Andreas Popp | Thin Oxide Films | IKZ | Berlin

»Current status of the process development of lateral and vertical $\beta\text{-Ga}_2\text{O}_3$ power transistors at FBH«

Dr. Cornelius Tetzner | Power Electronics Department | Ferdinand-Braun-Institut (FBH) | Berlin

..... Break | approx: from 12:00 to 01:00 p.m.

Afternoon Session

»Strained alkaline niobate thin films in surface acoustic wave sensors«

Dr. Jutta Schwarzkopf | Thin Oxide Films | IKZ | Berlin

»In-situ TEM Observations of Resistance Switching in Strontium Titanate Devices«

Dr. Houari Amari | Experimental Characterization | IKZ | Berlin

»Oxide materials for active X-Ray optics«

Dr. Peter Gaal | TXproducts | Hamburg & Crystals for Photonics | IKZ | Berlin

»Ferroelectric hafnium oxide – application in memory devices«

Dr. Stefan Slesazeck | NaMLab gGmbH | Dresden

