

Forschungskolloquium Neuromorphe Elektronik

Freitag, 2. September 2022 – 14:00 Uhr
im Feynmanbau

Neuromorphic Computing with 2D Materials

Max Lemme

RWTH Aachen, Lehrstuhl für Elektronische Bauelemente, AMICA - Advanced Microelectronic Center Aachen, and AMO GmbH, Aachen, Germany
max.lemme@eld.rwth-aachen.de

In this presentation, I will start with introducing the Cluster4Future NeuroSys – Neuromorphic Hardware for Future Autonomous AI Systems that is located in the Aachen region. The Cluster4Future investigates several future hardware options for neuromorphic computing based on memristive devices. The remainder of this talk will be focused on 2D (two-dimensional) materials and I will show several recent device examples. Finally, I will discuss open challenges of 2D material manufacturing and explain how the European 2D Material Experimental Pilot Line is trying to address these.

Join online: <https://tu-ilmenau.webex.com/tu-ilmenau-en/j.php?MTID=mdb0691967713c792e883ab061866e9c5>