



DEUTSCHE GESELLSCHAFT FÜR
ELEKTRONENMIKROSKOPIE

(eingetragener Verein)

<http://www.dge-microscopy.de>

Press Release

April 16, 2025

Harald Rose Distinguished Lecture 2025 for Prof. Dr. Helmut Kohl

The German Society for Electron Microscopy (Deutsche Gesellschaft für Elektronenmikroskopie, DGE) awards the internationally renowned Harald Rose Distinguished Lecture to **Prof. Dr. Helmut Kohl** (University of Münster, Münster, Germany) for his outstanding scientific achievements in the field of electron optics and electron microscopy. The prize will be awarded during the Microscopy Conference MC 2025 in Karlsruhe (Dreiländertagung) on September 4th, 2025.

Helmut Kohl is internationally recognized for his research on the fundamental treatment of image formation with inelastically scattered electrons in the TEM as well as in the STEM. He explored the background of delocalization of electrons scattered at plasmons, and extended analyses of scattering processes to inelastic scattering of neutrons. He contributed to the evaluation and optimization of the performance of elastic and inelastic STEM imaging, and explored plasmon excitations in small spheres by theoretical and experimental studies. He contributed to major improvements for the computation of the atomic inner-shell cross-sections for fast electrons in crystals and the computation of absorptive form factors for high-energy electron diffraction.

The **Harald Rose Distinguished Lecture** is awarded every two years by the German Society for Electron Microscopy for pioneering work in the field of particle optics in electron microscopy to celebrate the ground-breaking work of Prof. Dr. Harald Rose. Corrected Electron Optical Systems (CEOS) GmbH sponsors the Harald Rose Distinguished Lecture.

The President of the German Society for Electron Microscopy (DGE)

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