Stanford

Uta Ruett

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Bio

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Uta Ruett is an expert in high-energy x-ray diffraction. Her research is dedicated to developing methods and instrumentation for in situ and operando structural analysis at x-ray user facilities. Her scientific interests cover a wide range of diffraction applications, including solid-state physics, synthesis of new materials, catalysis, and electrochemistry. In recent years, her primary focus has been on the structural analysis of disordered thin films and interfaces.

Uta Ruett received her diploma in Physics from the University of Hamburg, Germany, in 1993, and her Ph.D. in Physics from the same institution in 1996. She began her postdoctoral research at Northern Illinois University before becoming an assistant scientist at Argonne National Laboratory. She then worked at the Max-Planck-Institute for Solid-State Physics in Stuttgart, Germany, before joining DESY in Hamburg, Germany, as a staff scientist and later as a Beamline Manager at PETRA III, DESY, Germany. In 2017, Uta Ruett accepted the position of group leader at the Advanced Photon Source (APS), where she oversaw the development and research program of five high-energy x-ray scattering beamlines. In 2024, she joined SLAC as a senior advisor for future projects at the Stanford Synchrotron Radiation Lightsource (SSRL).