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Dr. Klaus-Peter Weiss is head of the Cryogenic Material Test Lab Karlsruhe (CryoMaK) at the Institute for Technical Physics. He is assigned Deputy Head of the Magnet-Technology section and coordinator of the research topic *Cryogenic Structural Material* within the ITP. As experimental scientist his work concentrates on materials for cryogenic applications ranging from superconductors to structural materials. His research field includes mechanical characterization of materials at cryogenic temperature, development of test procedures and sensors for mechanical tests, examination of thermal properties of structural materials and of superconductors as well as electromechanical properties of technical superconductors in applied magnetic field.

Within the German collaboration towards DEMO he acts as spokesman of the working group "Magnet Technology". Since 2006 he is involved within the standardization work of the national DKE/DIN and international IEC Technical Committee 90 "Superconductivity" as expert of several working groups and co-convener of the German National Committee.