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A. Nijhuis has 30 years of experience with research on technical superconductors and is author of over 180 scientific publications in peer-reviewed journals. He started working on development and manufacture of experimental test facilities containing superconducting magnets and related instrumentation. Later on he worked on the research, development and characterisation of superconducting materials, wires and cables for magnets (among others for CERN, NET, ITER, F4E, Eurofusion). Subject of studies were among others; measurement, analysis and complex modeling of AC loss, inter-strand contact resistance, current distribution, strain and development of conductor models for performance studies in superconducting magnets. He has a visiting Professorship at the Chinese Academy of Sciences, ASIPP, Hefei, China and is involved as external expert in the CETFR Central Solenoid Model Coil project at Hefei, China. He is managing director of the Foundation SuperAct. The Foundation SuperACT is an independent facilitator for research and innovation, focusing on development of superconductor and cryogenic technologies for a broad range from basic research to end-use markets.