

CV Jan Jaroszynski, National High Magnetic Field Laboratory

Jan Jaroszynski
Research Faculty
Condense Matter Science
and Applied Superconductivity Center
National High Magnetic Field Laboratory
Florida State University, USA



Dr. Jan Jaroszynski graduated from the Physics Department of the University of Warsaw, Poland. In 1991 he defended his PhD thesis on physics of semiconductors at the Institute of Physics, Polish Academy of Sciences. He was involved in experimental work on diluted magnetic semiconductors that is what later became part of spintronics. Another field of interest then were low dimensional semiconductors systems including quantum Hall effect and MBE growth. In 2000 he moved to National High Magnetic Field Laboratory in Tallahassee Florida continuing work on 2D systems. He focused on slow phenomena in the electron glass in the vicinity of metal-to-insulator transition. In 2006 he joined user support group at NHMFL and started collaboration with research groups from around the world with various research of condensed matter. In 2007 he started fruitful collaboration with the Applied Superconductivity Center that just moved in from Wisconsin. This was exiting time of the emerging iron based superconductors on one hand, and of the qualitative progress in coated conductors and other superconducting wires on the other. Dr. Jaroszynski coauthored some important papers on both topics. He leads also reel-to-reel testing and research of REBCO CC. This mission focuses on testing as grown CC to investigate their homogeneity and identify fabrication and pinning defects as well as post-mortem studies of conductors deconstructed from coils and cables.