



Name: Najib Cheggour

Affiliation: University of Colorado Boulder, CO, USA

Position: Senior Researcher

Previous Positions: Guest Researcher, NIST, Colorado, USA; Research associate, University of Durham, England; Research assistant, University of Geneva, Switzerland

Education: Ph.D. Condensed Matter Physics, Université Paul Sabatier, Toulouse, France
Physics Degree, Université Cadi Ayyad, Marrakesh, Morocco

Research Interests/Areas of Expertise: Electromechanical properties of low- and high-temperature superconductors, of interest to the communities developing high-energy-physics particle accelerators, fusion-energy reactors, and medical imaging technologies. Causality between strain behavior, microstructural properties, and processing of superconductors. Electric transport and flux-pinning properties. Metrology development for superconductor characterization. Metrology benchmarking.

Publications: About 50 papers on superconductivity, in IEEE Transactions on Applied Superconductivity, Superconductor Science and Technology, Journal of Applied Physics, Applied Physics Letters, Review of Scientific Instruments, Cryogenics, Physica B & C, Journal of research of the National Institute of Standards and Technology, and Advances in Cryogenic Engineering.

Approximate Number of Years in Applied Superconductivity: 26

Previous ASC Service: Technical Editor (ASC 2014), Program-Committee Member (ASC 2010, 2012, and 2014), Session Chair and Reviewer

Service to Related Conferences: Member of ICSM Advisory Committee (ICSM 2010, 2012, and 2014) and MEM 2011 Executive Committee. Reviewer

Other: Member on the Editorial Board of the journal Superconductor Science and Technology.