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Najib Cheggour is now a research faculty at the Applied Superconductivity Center, National High Magnetic Field Laboratory (NHMFL), Florida State University. Prior, he spent 18 years as a researcher at the National Institute of Standards and Technology (NIST) in Colorado. His research specializes in the 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. He is interested in the causality between strain behavior, microstructural properties, and processing of superconductors; electric transport and flux-pinning properties; metrology development for superconductor characterization.

Najib Cheggour received a B.S. in solid state physics from the University Cadi Ayyad of Marrakesh, Morocco, in 1986, and a M.S. and then a Doctorate in solid state physics, on YBCO superconductors, from the University Paul Sabatier of Toulouse, France, in 1990. He spent five years at the University of Geneva, Switzerland, where he worked on developing Chevrel Phase superconducting wires. He then spent over three year at the University of Durham, England, where his research focused on the electromechanical properties of practical superconductors.