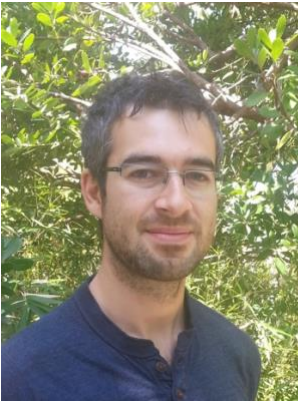


Dr. Sebastiano Peotta



Bio:

I am an Academy Research Fellow at Aalto University, in Finland, since 2020. After obtaining my Ph.D. at Scuola Normale Superiore in Italy in 2013, I have worked as a postdoctoral researcher at University of California San Diego, and then I moved to Finland in 2015. While at Aalto I obtained a Marie Skłodowska-Curie Fellowship from the European Union for a project on “Flat bands and topology in superconductive materials” (FLATOPS). I also worked at Tampere University as a postdoctoral researcher in 2020. My broad research field is quantum many-body physics with application to ultracold gases and condensed matter systems. In particular I am interested in superfluid and superconductive phases of matters and out of equilibrium dynamics and I use a broad range of numerical and analytical methods in my theoretical work. Most of my research at Aalto University has been focused on the relation between the geometric and topological properties of the band structure and nondissipative transport in superconductors with flat or quasi-flat bands, such as magic angle-twisted bilayer graphene.