

Frontiers in Synthetic Moiré Quantum Matter

Committee

Aharon Kapitulnik

Chair

Charles Ahn

Member

Claudia A. Felser

Member

Pablo Jarillo-Herrero

Member

Pablo Jarillo-Herrero is currently Cecil and Ida Green Professor of Physics at MIT. Professor Jarillo-Herrero's research interests lie in the area of experimental condensed matter physics, in particular quantum electronic transport and optoelectronics in novel two-dimensional materials, with special emphasis on investigating their superconducting, magnetic, and topological properties. He received his "Licenciatura" in physics from the University of Valencia, Spain, in 1999. Then he spent two years at the University of California in San Diego, where he received a M.Sc. degree before going to the Delft University of Technology in The Netherlands, where he earned his Ph.D. in 2005. After a one-year postdoc in Delft, he moved to Columbia University, where he worked as a NanoResearch Initiative Fellow. He joined MIT as an assistant professor of physics in January 2008 and received tenure in 2015. He was promoted to Full Professor of Physics in 2018. His awards include an NSF Career Award (2008), an Alfred P. Sloan Fellowship (2009), a David and Lucile Packard Fellowship (2009), a DOE Early Career Award (2011), a Presidential Early Career Award for Scientists and Engineers (PECASE, 2012), an ONR Young Investigator Award (2013), and a Moore Foundation Experimental Physics in Quantum Systems Investigator Award (2014 & 2020). Prof. Jarillo-Herrero has been selected as a Highly Cited Researcher by Clarivate Analytics-Web of Science (2017-present), and was elected APS Fellow (2018), Fellow of the Quantum Materials Program of the Canadian Institute for Advanced Research (CIFAR, 2019), and Member at Large of the APS Division of Condensed Matter Physics (2019). Prof. Jarillo-Herrero is the recipient of the APS 2020 Oliver E. Buckley Condensed Matter Physics Prize, the 2020 Wolf Prize in Physics, the 2021 Lise Meitner Distinguished Lecture and Medal, and the 2021 US National Academy of Sciences Award for Scientific Discovery.

Christopher Jones

Staff Officer