

Joel Jean is a fifth-year PhD candidate in Electrical Engineering and Computer Science at MIT. His research with Vladimir Bulović in the Organic and Nanostructured Electronics Laboratory (ONE Lab) focuses on lightweight, low-cost solar cells based on colloidal quantum dots and molecular semiconductors. Joel received a B.S. in Electrical Engineering at Stanford University, where he simulated electron transport dynamics in nanostructures for thermionic emission-based solar energy harvesting. He is a co-author of the MIT Future of Solar Energy Study, a MIT Energy Fellow, and a National Science Foundation Graduate Fellow. He served as Co-President of the MIT EECS Graduate Student Association from 2013–14. Joel is deeply concerned about climate change and broadly interested in the physics and economics of renewable energy.