Arlene Ducao is an engineer, entrepreneur, and educator who makes technologies that examine the relationship between the natural landscape, our built environments, and ourselves. She is a Principal at the DuKode Studio, a scientific and environmental design firm in Brooklyn, and the CEO and cofounder of Dukode's affiliate company Multimer, a spinoff from MIT Media Lab. At Multimer, she developed her invention MindRider, the geospatial brainwave-mapping system profiled in WIRED, New York Times, Discovery Channel, MSNBC, Fast Company, Science Channel, and many more. A recipient of the South by Southwest Winburne Community Service Award for her work on satellite mapping in Indonesia and Kenya, she is a research affiliate at MIT and teaches at NYU, where she presents a range of topics from multidimensional data visualization to digital fabrication and its cultural underpinnings. Her work has been published in scholarly outlets and books including Data, Architecture, and the Experience of Place (Routledge, 2019) and Instrumental Intimacy: EEG Wearables and Neuroscientific Control (JHU Press, 2017). She is also active as an organizer-advocate for FUREE (Families United for Racial and Economic Equality). Arlene Ducao holds degrees from UMD, SVA, and MIT.