



**Carlos Portela** is the d'Arbeloff Career Development Professor in Mechanical Engineering at MIT. Dr. Portela received his Ph.D. and M.S. in mechanical engineering from the California Institute of Technology, where he was given the Centennial Award for the best thesis in Mechanical and Civil Engineering. His current research lies at the intersection of materials science, mechanics, and nano-to-macro fabrication with the objective of designing and testing novel materials—with features spanning from nanometers to centimeters—that yield unprecedented mechanical and acoustic properties. Dr. Portela's recent accomplishments have provided routes for fabrication of these so-called 'nano-architected materials' in scalable processes as well as testing nanomaterials in real-world conditions such as supersonic impact.

Dr. Portela was recognized as an MIT TR Innovator Under 35 in 2022, is a recipient of the 2022 NSF CAREER Award, the 2019 Gold Paper Award from the Society of Engineering Science (SES), and his work has been featured in The National Nanotechnology Initiative Supplement to the President's 2020 Budget (National Science and Technology Council).