

Seyed Masoud Shirkhorshidi is a Ph.D. candidate at the New Jersey Institute of Technology. My background lies in construction materials science, working with different types of concrete mixture designs, reinforced concrete durability problems, and rehabilitation of structures. I am currently doing research on the durability and corrosion performance of advanced reinforced concrete systems for transportation infrastructure. Different types of ductile concrete systems and alternative reinforcement are being investigated in terms of corrosion performance, freeze-thaw resistance, salt scaling, drying shrinkage, and mechanical properties. The project's outcome will help to increase the service life of transportation infrastructure.