Post-doctoral Associate
Transportation Engineering & Cybersecurity

C²SMART Center & NYU Center for Cybersecurity
New York University
Tandon School of Engineering

The C²SMART Center and the NYU Center for Cybersecurity (cyber.nyu.edu) are jointly seeking to hire a Post-doctoral fellow to conduct state-of-the-art research on emerging transportation cybersecurity problems. With the emergence of connected and autonomous vehicles as well as the increasing levels of automation of all transportation systems, there is a growing recognition of cybersecurity threats to all of the transportation system components including vehicles, users, and cyber and physical infrastructures. This candidate will work closely with faculty and students in:

➢ Researching and identifying cybersecurity issues faced in automated implementations of transportation systems
➢ Developing multi-disciplinary solutions targeted at intrusion detection and vulnerable transportation infrastructure
➢ Preparing and designing protocols designed to ensure automated systems and platforms are adequately identifying and preparing for cybersecurity threats
➢ Leading outreach efforts for increasing agency awareness of transportation cybersecurity

The desired requirements for this position are as follows:

● A graduate degree in computer science, engineering, or related disciplines
● Research or professional experience in identifying, analyzing, and developing solutions for cybersecurity issues
● Experience in developing scripts and processes with advanced data analysis techniques
● Experience in complex cyber-physical transportation problems with a focus on hardware and/or software for sensing and real-time control
● Knowledge of and familiarity with existing systems used for connected/autonomous vehicle implementations, train tracking and control systems, or other transportation automation platforms or services

To apply, please visit https://apply.interfolio.com/48019

C²SMART is a Tier 1 USDOT University Transportation Center led by NYU’s Tandon School of Engineering that aims to accelerate transportation opportunities arising from unprecedented recent advances in communication and smart technologies.

C²SMART is studying challenging transportation problems and field-testing & implementing novel solutions in close collaboration with users, government agencies, policy makers, private companies, & entrepreneurs. Its research covers all aspects of transportation with a focus on disruptive technologies such as connected travelers, autonomous vehicles, shared mobility, & the Internet of Things.

New York University is an Equal Opportunity Employer. NYU does not discriminate due to race, color, creed, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, unemployment status or any other legally protected basis, and to the extent permitted by law. Qualified candidates of diverse ethnic and racial backgrounds are encouraged to apply for vacant positions at all levels.