



Civil Engineering Research Seminar Series



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Dr. Miguel Andres Figliozi is a Professor in the Civil and Environmental Department at Portland State University. Prof. Figliozi directs the multidisciplinary Transportation Technology and People lab (<http://www.pdx.edu/transportation-lab>) and has published extensively in the area of vehicle technologies, urban deliveries, and routing-logistics.

AUTONOMOUS DELIVERY ROBOTS AND THEIR POTENTIAL IMPACTS ON FREIGHT EFFICIENCY AND TRAVEL

E-Commerce and package deliveries are growing at a fast pace and there is an increased demand for same-day deliveries. Established delivery companies and new startups are investing in technologies that reduce delivery times and/or increase delivery drivers' productivity. In this context, the adoption of Automated (or Autonomous) Delivery Robots (ADRs) has a growing appeal. Since ADRs can travel on the road (and some on sidewalks) they have been the subject of increasing regulation by local agencies in the US. The three research questions that guide this research effort are: (a) What are the limitations imposed by existing regulations in the US, (b) What are the technical capabilities of existing ADRs, and (c) Given the existing capabilities and regulations, what are the time/cost savings and efficiencies that SADR's can bring about?.

Engineering Auditorium
May 15th, 2019 12:00 PM-1:30 PM