

Research Centre
for
Integrated Transport Innovation (rCITI)
Web Seminar

Web Seminar Link: <https://unsw.zoom.us/j/8493874422>
Date/Time: **Thursday, 5 November 2020, 12:30pm - 1:00pm**
Title: **Incentive-compatible Mechanisms for Continuous Resource Allocation in Mobility-as-a-Service: Pay-as-You-Go and Pay-as-a-Package**



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Bio:

Haoning Xi is currently a Ph.D. candidate at the Research Centre for Integrated Transport Innovation (rCITI), University of New South Wales, (UNSW Sydney). She contributes as a PhD student as a member of the Optimization and Financial Risk Analysis research group, and Data61, CSIRO. Prior to UNSW she received a Master's degree from Tsinghua University, China, and a Bachelor's degree from Central South University, China.

Abstract:

This study attempts to address this gap in the literature by introducing innovative MaaS mechanisms that allocate mobility resources to users without any form of travel mode segmentation. We introduce an online auction framework where travelers have the possibility to bid for continuous mobility resources based on their requirements and willingness to pay (WTP). We propose two MaaS mechanisms, named Pay-as-You-Go (PAYG) and Pay-as-a-Package (PAAP), which allow travellers to either pay for the immediate use of mobility services or to subscribe to mobility service packages for a more protracted usage.