An increased use of shared mobility systems such as bike sharing or car sharing is evident in recent years. These systems gain popularity as an alternative to using private cars as a sole mean of transportation since they have the advantage of reducing traffic congestion, parking space shortage, and air pollution. Shared mobility systems serve as a good complementary to mass transit transportation systems (through mode sharing). Designing, installing and operating such systems raise many interesting challenges, such as: demand forecasting, location and capacity determination of stations, pricing mechanism, scheduling maintenance, re-balancing/repositioning operations, and more.

While some of the above challenges address topics that are common to many other problems in the transportation and logistics literature, there are unique characteristics that correspond to shared mobility systems, which raise the need to develop new models and solution methods. In this special issue, we encourage contributions that address these and related questions, both from a modeling perspective, as well as from a solution methodology point of view. The latter may include the use of various tools such as optimization, applied probability, statistics, and more. While research contribution is a key condition for acceptance, practical contributions describing case studies are also welcome.

Potential authors are invited to submit by November 30, 2011 high quality contributions to the website https://www.editorialmanager.com/ejtl.

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