

## **An Integrated Mathematical Approach to Measure the Capacity of MMTS**

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**Abstract :** This article focuses upon multi-modal transportation systems (MMTS) and the issues surrounding the determination of system capacity. For that purpose a multi-objective framework is advocated that integrates all the different modes and many different competing capacity objectives. This framework is analytical in nature and facilitates a variety of capacity querying and capacity expansion planning.

**Keywords :** analytical model, capacity analysis, capacity query, multi-modal transportation system (MMTS)

**Conference Title :** ICSEMA 2015 : International Conference on Systems Engineering Modeling and Analysis

**Conference Location :** Venice, Italy

**Conference Dates :** November 09-10, 2015