Airline Scheduling:

DemandseStapply schedule design, fleet

responding departure and arrival airport and departure and arrival time; tent decides the aircraft type to be assigned to each flight. An itinerary a airline literature, as a specific sequence of flights legs in a market (an in-destination pair), in hich first leg originates from the origin airport ar time and final leg terminates at the final destination airport at a latering decides the path follo ed by an aircraft during the planning horizon, care of various aircraft maintenance restriction.

hesis, e focus on the formulation and solution of problems that can some important interactions to improve the performance of scheduling to problems addressed in this thesis are:

nd-Supply Interactions in Schedule Design and Fleet Assignment stness in Routing

nderstanding of basic concepts relat

assignment stages of airline scheduling. Both these stages try to serve the demand and match the supply—ith demand as close as possible. These stages require demand estimates for making decisions, but it has also been demonstrated that demand for an itinerary is a function of savailability of itineraries, itineraries attributes and capacity offered by the airline in the market. Sin AI g differentiate Aae L Richellies L SARCHES

Demand is one of the most important aspects for schedule design and fleet

itineraries. We use logit-based demand modeling in these scheduling problems. We derive a variant o