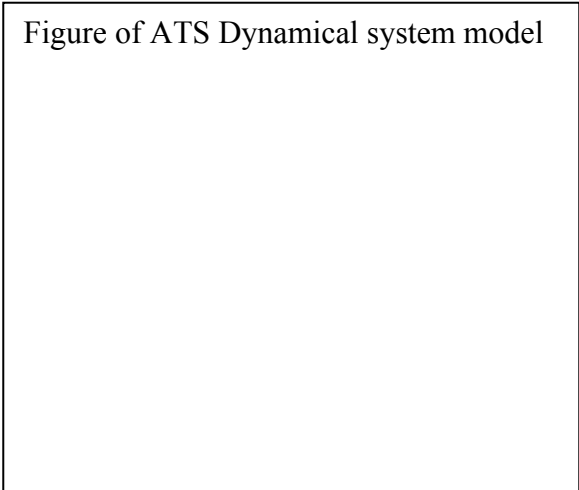


**CENTER FOR  
AIR TRANSPORTATION SYSTEM REASERCH**

# **STRATEGIC PLANNING/ INDUSTRY ANALYSIS**

- **Dynamic System Model of Air Transportation System**
- **Long-term trends and opportunities**
- **Windows of opportunity and their bands of uncertainty**
- **Cost/Benefit Analysis and R&D Portfolio Analysis**

Figure of ATS Dynamical system model



The Strategic Planning and Industry Analysis (SP&IA) Group specializes in the analysis of complex industrial sectors that provide services through networked operations.

SP&IA Group has developed analytical techniques for modeling the dynamics of an industrial sector using models that seek equilibrium of capacity/supply and demand at each layer of the network. This approach is unique and reliable. Special emphasis has been given to the evaluation of a combination of economic and technological changes to the system.

These models have been used by clients to identify opportunities for the introduction of new technologies and the system-wide impact of these technologies, and to develop and evaluate policy alternatives. These models have also been used widely by clients to inform a broader audience including the media, legislators, economists and investors. Clients include .....

Additional capabilities include systematic methods for detailed Cost/Benefit Analyses for the development of new technologies and new products, and the portfolio management of R&D funding.

**For more information contact Dr. Lance Sherry 703-9931711,  
lsherry@gmu.edu**