Presentation
In many ways a major airline can be viewed as one large planning problem which is usually approached as many interdependent smaller (but still imposing) planning problems. The list of things that need planning seems endless: crews, reservation agents, luggage, flights, through trips, maintenance, gates, inventory, and equipment purchases. Each planning problem has its own considerations, its own complexities, its own set of time horizons, its own objectives, but all are interrelated.
In this talk, Dr. Stone will briefly look at a few of these airline-planning problems. For each he will outline the basic problem, considerations, and objectives. In addition, for each planning problem he reviews, he will discuss how one might quantitatively approach the problem to intelligently support the planning process.

Company
Northwest Airlines, the #4 US airline, flies to more than 150 cities worldwide, with hubs in Detroit, Memphis, Minneapolis/St. Paul, Osaka, and Tokyo. It also owns Memphis regional carrier Express Airlines. Through code-sharing agreements with other carriers, the airline serves about 750 destinations in 120 countries. It has extensive alliances with Continental Airlines and Dutch airline KLM. Northwest is one of the world's top air cargo carriers. Other holdings include the WORLDSPAN computer reservation system, the MLT wholesale travel business, and Northwest Aerospace Training for pilots.

Biography

Refreshments will be served during presentation