



Qianlin Li **President - SPS China**

SPS

Overview

Since started aviation planning profession in 1994, Ms. Li has dedicated to all aspects of technical work and often served as a technical and project leader providing technical support and directions to best meet client needs. Through many years of various project experiences for Atlanta, Chicago and Los Angeles airports, she has gained a wide range of experiences in technical fields in airport master planning, airspace and airfield simulation, aviation demand forecasting and capacity assessment, cost-benefit analysis, and airside operation, etc. Ms. Li have a good understanding of the application of air traffic control operation procedures in the United States and China. Her technical experiences also expanded into specialized fields of terminal planning and design and landside planning and capacity evaluation with understanding of baggage and APM system applications. Since 2002, Ms. Li has been the project manager and technical leader for various L&B China projects, the company she previously worked for and she has successfully led the master planning and terminal development planning of Shanghai Pudong International Airport (PVG) , Shanghai Hongqiao International Airport (SHA) and other domestic airports projects in China, including master planning and terminal area planning of Chengdu Shuangliu International Airport (CTU) and T2 terminal and supporting facilities planning of Guangzhou Airport (CAN). In recent years, Ms. Li, as the principle of her previous company, led the team and won several significant projects including East terminal planning of Xi'an Xianyang International Airport (XIY), Hubei Ezhou SF Airport Hub Planning and T3 terminal planning of Changsha Huanghua International Airport (CSX). After joining SPS, Ms. Li's recent work focuses on the T3 terminal planning of PVG.

Airspace / Airfield Simulation

Ms. Li has extensive experiences in airside simulation and analysis projects. As a team leader, she has helped to develop and manage in this senior technical role to analyse forecast demands, assess airside capacity, and evaluate existing and future airspace and airfield alternatives for major U.S. as well as other hub airports in the world. She has successfully utilized TAAM to address airlines' concerns of the relationship between new terminal and taxiing system for the airport planning project of Chicago O'Hare Airport (ORD). Other representative experiences include Cleveland Master Plan Update, Los Angeles Master Plan, Denver EA cost-benefit analysis, Detroit midfield terminal and taxiway assessment and analysis of the terminal and taxiway system layout, configuration and operation planning analysis of the fifth runway in Atlanta Airport (ATL), Hong Kong SOMAD Study, Inchon runway configuration and terminal area apron layout analysis, Phase II development and south satellite apron layout and simulation of the future runway system with 8-runway configuration for PVG, Master Plan of SHA, Guangzhou Airport T2 and GTC planning, and airside operational analyses at Xiamen Gaoqi and Xiang'an airports, and other projects of XIY and Qingdao new airport.

Demand/Capacity Analysis

In addition to utilizing computer simulation for demand and capacity analyses, Ms. Li also carries out aviation demand and aircraft analysis through actual airport operation data analysis. She also provided assessment recommendations of the capacity demand at Cincinnati/KFC International Airport and Phoenix International Airport which was the data base of cost-benefit analysis. Ms. Li also involved in the optimization study of the 6th runway and taxiway system and the cost/benefits analysis of de-icing facilities at Denver International Airport (DEN). In China, Ms. Li led the airfield simulation analysis of T2 of PVG and SHA and airside capacity simulation of Xiamen Airport, as well as capacity analysis for 8-runway configuration at PVG.

Master Plan/Terminal Development Plan

Ms. Li has led and participated in many master planning and terminal planning projects, from which she gained extensive experiences about airport operation in North America and China. She is always ready to hear the opinions from China airport authorities and applied these suggestions to create a recommend and practical planning scheme. The major projects she was involved in China includes PVG, SHA CTU and Chengdu Tianfu Airport, CAN, Beijing New Airport, Xiamen Gaoqi and Xiang'an airport, and XIY.

Education

Master of Science, Engineering Management - University of Dayton
Bachelor of Science, Hydraulic Machinery - Industrial Institute of Sichuan

Representative Projects

A partial listing of airports Ms. Li has personally served as follows:

- **Detroit Metropolitan Wayne County Airport**
 - Airspace/Airfield Capacity and Delay Analysis
 - Taxiway Analysis
 - Deicing Operation Analysis
 - Design Day Flight Schedule
 - Benefit/Cost Analysis
- **Denver International Airport**
 - Airspace Configuration and Delay
 - Taxiway Analysis
 - Design Day Flight Schedule
 - Benefit/Cost Analysis
- **Los Angeles International Airport**
 - Airspace/Airfield Capacity and Delay Analysis
 - Runway Configuration
 - Design Day Flight Schedule
 - Benefit/Cost Analysis
- **Philadelphia International Airport**
 - Terminal Gate Studies
 - Airspace/Airfield Capacity and Delay Analysis
 - Runway Configuration
 - Taxiway Analysis
 - Design Day Flight Schedule
- **Chicago O'Hare International Airport**
 - Airspace/Airfield Delay Analysis
 - Taxiway System Analysis
 - Terminal Resources allocation
- **Atlanta Hartsfield International Airport**
 - Airspace/Airfield Capacity and Delay Analysis
 - Runway Configuration
 - Design Day Flight Schedule
- **Hong Kong International Airport**
 - Airfield Delay Analysis
 - Taxiway Analysis
 - Design Day Flight Schedule
- **Shanghai Hongqiao International Airport**
 - Master Plan
 - Aviation Demand Forecast
 - Apron and Gate Operations
 - Terminal Plan and Passenger Flow Analysis
 - Terminal Resources and Space Planning
 - Access Road System and GTC
- **Cincinnati/Northern Kentucky International Airport**
 - Demand/Capacity Analysis
 - Design Day Flight Schedule
 - Operational Delay Analysis
 - Benefit/Cost Analysis
- **Cleveland Hopkins International Airport**
 - Demand/Capacity Analysis
 - Airspace Configuration
 - Runway Configuration
 - Design Day Flight Schedule
- **Inchon International Airport, Seoul Korea**
 - Airspace/Airfield Capacity and Delay Analysis
 - Airspace Configuration
 - Runway Configuration
 - Taxiway Analysis
 - Design Day Flight Schedule
- **Hubei Ezhou SF Airport**
 - Master Plan
 - Transfer Center Configuration
 - Taxiway System Analysis
 - Airside Operation Analysis
- **Shanghai Pudong International Airport**
 - Demand/Capacity Analysis
 - Terminal Gates Demand and Operation Study
 - Runway Configuration
 - Taxiway System Analysis
 - Airlines Allocation
 - Design Day Flight Schedule
 - Terminal Facility Demand Estimation and Allocation
 - Terminal Resources and Space Planning
 - Baggage Handling System/APM System
- **Guangzhou Baiyun International Airport**
 - Airlines Allocation
 - Apron and gates layout
 - Terminal configuration and Passenger flow analysis
 - Access Road System and GTC
 - Baggage Handling System/APM system
- **Hangzhou Xiaoshan International Airport**
 - Master Plan
 - Strategic Plan
 - Apron and Gates Layout
 - Terminal Configuration and Passenger Flow Analysis
 - Access Road System and GTC
- **Xi'an Xianyang Int'l Airport**
 - Master Plan
 - Airlines Allocation
 - Terminal area Apron and Gates layout
 - Terminal Configuration and Passenger Flow Analysis
 - Access Road System and GTC
 - Baggage Handling System/APM System