

## **Louise C. Speitel**

### **BIOGRAPHY**

Louise has been with the FAA Fire Safety Section since 1976. She has specialized in fire issues including smoke toxicity assessments and survival modeling, health hazards of fibers from burning aircraft composites, benefit analyses of past accidents for aircraft fire improvements, options to the use of halons, small medium and full-scale fire tests, mechanistic studies of thermal degradation of polymers, and chemical methods of analysis.

As a chemist, she has designed instrument systems and methods to perform chemical analysis for numerous fire safety projects. Recent projects supported include halon replacement for cargo and handhelds, smoke detection using NDIR and FTIR, and fuel tank protection.

Louise is active in developing fire standards and codes. She is a member of NFPA 2001 committee on Clean Agent Fire Extinguishing Systems, chairing the HF toxicity task group. She currently cochairs the task group on Halon Options in the International Aircraft Systems Fire Protection Working Group with Bob Tapscott. She is also involved with various ISO committees writing standards for smoke toxicity.

#### **Education**

BS Chemistry, Hunter College of the City University of New York, 1973

MS Analytical and Physical Chemistry, Purdue University, 1975