

**Richard A Fariello**  
**Airline Pilot (TWA Ret.), Physicist**  
**Present: NASA Consultant.**

**DOB:** June 13, 1940

**Primary Work Experience:**

- #1. **Airline Pilot;** FAA Check Airman/Simulator Instructor (1967 – 2002)
- #2. **NASA Aviation Research:** Project Consultant (2000 – present).
- #3. **Theoretical Physicist;** US Army Electronic Command Laboratories, ‘Institute for Exploratory Research’ (1963 – 67).

**Education:**

**Undergraduate:**

- #1. Monmouth College; B.S; 5 year Electronic Engineering Degree, (1957-1962).
- #1a. Farleigh Dickinson University; 1962, Physics.

**Graduate Studies:**

- #2. Catholic University of America; 1963-64, Masters Program in Theoretical Physics.
- #3. New York University; 1964-66, Theoretical Physics.

**Continuing Adult Education:**

- #4. UCLA; 1974-75, Frontiers of Cosmology and Einstein’s Relativity.

**Aircraft Qualifications & Flying Experience (~ 26,000 total hours):**

- #1. B767/757 – ATP Rated, Captain - FAA Designated Check Airman;  
*Line Standards* Pilot (LSP)  
*Line Instructor* Pilot. (LIP)
- #2. B747 – ATP Rated, Captain  
*Simulator Instructor*
- #3. MD80 – ATP Rated, Captain – FAA Designated Check Airman  
*Simulator Instructor.*
- #4. L1011 – ATP Rated
- #5. B707 – F/O
- #6. B727 – F/O
- #7. B727 – F/E – FAA Designated Check Airman.

**Teaching Experience:**

- #1. **Instructor,** US Army electronics Command Laboratory, Institute for Exploratory Research : Mathematics Department (Vector and Tensor Analysis).
- #2. **Instructor,** Catholic University of America; 1 year as a Graduate Assistant (Physics Dept.).
- #3. **Teacher,** Matawan H.S.; 2 years, Mathematics, History and Drafting.

**Special Assignments:**

- #1. TWA ***Representative*** to the ‘***White House***’ generated “Safer Skies Initiative”. Member of the “Joint Safety Analysis Teams” (JSAT) and ***Team Leader*** for

- the 'Approach and Landing Study'.
- #2. TWA Company **Representative** to the International Air Transportation Association (IATA), 1998 – 2000.
  - #3. **Chairman** of the Management and Pilot Group selected to rewrite the TWA "Flight Operations Policy" Handbook.
  - #4. **Author** of numerous 'in-house' TWA Technical Papers including an analysis of Criticality of Gander to 120/138/180 ETOPS operations and associated cost issues.
  - #5. **Chairman** of the Group formulating a NEW set of "Emergency/Overweight Landing Procedures" for TWA Operations.
  - #6. **Cockpit Auditor** for TWA LLC, Office the VP of Corporate Safety, 'Flight Crew Safety Review'.
  - #7. Combined **Authorship** and **Reference**: i.e., Aviation Publications, e.g., article examining the factors involved in Runway Excursions, etc. Provider of Technical References relative to the flying expertise exhibited in the "9/11" events, which were then quoted in a NY Times front page story associated with the attack.
  - #8. **Created** an 'original' Mathematical Model ("in-house" paper, later presented at a 'Arctic Conference'; Paris, 1966) of "Radio Wave Propagation Through Deep Polar Ice Caps".
  - #9. **Researcher** with the US Army E-Command Laboratory's "Arctic & Antarctic Research Team".