

Jay S Pearlman, Technical Director, J&F Enterprise

a) Professional Preparation:

California Institute of Technology (Caltech)	Engineering (with honors)	BS 1966
University of Colorado	Aerospace	MS 1967
University of Washington	Aeronautics	PhD 1974

b) Appointments:

Co-Owner	J&F Enterprise	2000-Present
Professor, Adjunct	University of Colorado, Boulder CO	2012-Present
Chair, Past Chair	IEEE Committee on Earth Observation	2004-Present
Chief Scientist/Fellow	Boeing Network Centric Operations	2002-2008
Senior Scientist	TRW Advanced Systems,	1985-2002
R&D manager	Maxwell Laboratories	1979-1985
Program Manager	US Department of Energy	1977-1979
Scientist	Sandia National Laboratories	1974-1977

As co-principal of J&F Enterprise, JAY S PEARLMAN has been leading the strategy and path forward as Co-PI for the Earthcube Brokering, an NSF funded activity aimed at facilitating scientific data access, particularly in a cross-domain interoperable environment.

Until his retirement, was Chief Engineer of Network Centric Operations Capabilities at Boeing and a Boeing Technical Fellow. In this role, he guided the development of internal programs in advanced information systems and large-scale networks. These addressed the need for information access, secure networks, and systems implementations. At Boeing, Jay also served as Chief Scientist on the Boeing Landsat Data Continuity Mission. His background includes sensors, remote sensing and information systems.

Dr. Pearlman is a Fellow of the IEEE. Jay was Chair (2007-09) of the IEEE-wide Committee on Earth Observation and led IEEE's participation in GEO. He was also Co-Chair of the GEO Architecture and Data Committee.

Within the context of IEEE, Jay is PI for the NSF funded OceanObs research coordination network. He is also PI for several NASA grants focused on socio-economic benefits of earth observation. For outreach and dissemination, Jay is PI for NASA Earthzine grants and the Global Humanitarian Technology Conference.

In the international area, Jay is supporting the COOPEUS project, which focuses on collaboration between US and the European Commission For the "EuroGEOSS" FP 7 project, he was co-lead of the outreach work package, focused on the program's forestry, biodiversity and drought, societal impacts and interoperability themes. He is on the advisory boards of several FP7 Projects including: EarthServer, EO2Heaven (health); MEDINA (African Mediterranean coast environmental management; Afro-Maison (natural resources management in Africa).

Jay was a member of the UNESCO GOOS Science Steering Committee, a member of IOC JCOMM panel on Industry and recently completed serving as a member of the US national committee of the Scientific Committee on Ocean Research (SCOR). Dr. Pearlman was also on the National Academies Ocean Studies Board and is a member of the Board on International Science Organizations.

Dr. Pearlman has more than 80 publications and 25 US and international patents.