

# Peter Shames

**Peter Shames** has been engaged in the process of turning computers into useful tools for scientists for the bulk of his professional career. He manages JPL's Information Systems Standards Program in the Interplanetary Network Directorate (IND). He is working within the Consultative Committee for Space Data System (CCSDS) to define an end-to-end reference architecture and formal methodology for describing space data systems. He has developed architectures for a variety of NASA programs, including JPL's mission operations system, the Hubble Space Telescope science processing and archiving systems, and real time data acquisition. He has served on working groups in the National Academy of Sciences and the Internet Activities Board. He is the Director of the newly formed Consultative Committee for Space Data System's System Engineering Area. Once upon a time he used to know how to program.