

ADRIAN J. HOOKE

Adrian Hooke - a veteran of the space program since 1966 - is a Principal Member of the Senior Staff at the NASA/Caltech Jet Propulsion Laboratory in Pasadena, California. His early work included:

- Launch pad operations at the Kennedy Space Center for the Apollo 9,10,11 and 12 Lunar Modules.
- Flight control of the Mariner 9 and 10 missions to Mars, Venus and Mercury.
- Specification of the Voyager and SEASAT flight data systems.
- Definition of operations concepts for the European Space Agency's SpaceLab;
- Design of international space/ground data communications standards for the Space Station program.

Since the late 1970's he has been pioneering the development of new space data communications protocols. He is a founder of the international Consultative Committee for Space Data Systems (CCSDS) and has led the development of international standards for IP-like packetized telemetry and telecommand communications protocols that are now used by over one hundred and fifty missions across the world space community. More recently he has joined with one of the "fathers" of the terrestrial Internet, Vint Cerf, to lead a new 'Interplanetary Internet' initiative aimed at extending the Earth's communications infrastructure throughout the Solar System.

He currently manages NASA's Space Mission Operations Standardization program and is chief US delegate to the subcommittee of the International Organization for Standardization (ISO) that develops space data and information transfer standards. Within CCSDS he is chairman of the sub-panel on Advanced Orbiting Systems, and manager of the Space Communications Protocol Standards (SCPS) project that is extending the current Internet protocol suite for use in short-delay space mission environments.

He holds a B.Sc. (Honours) in Electronic and Electrical Engineering from the University of Birmingham, England and is registered as a Chartered Engineer (C.Eng.) with the IEE in London and as a European Engineer (Eur. Ing.) with FEANI in Paris. He has been awarded two NASA Exceptional Service Medals.