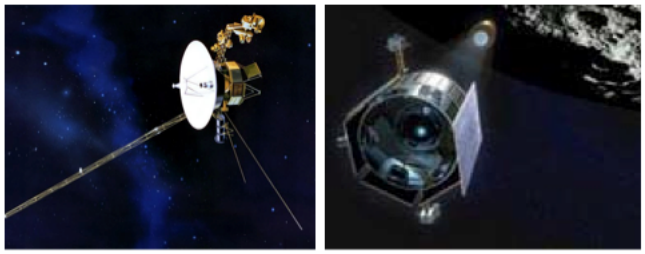
DSN 50th Anniversary

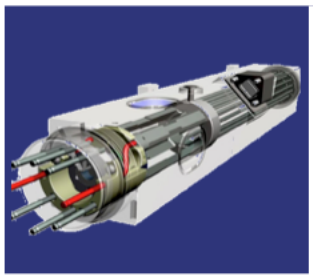
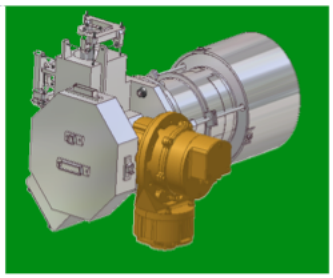
February 20, 2014

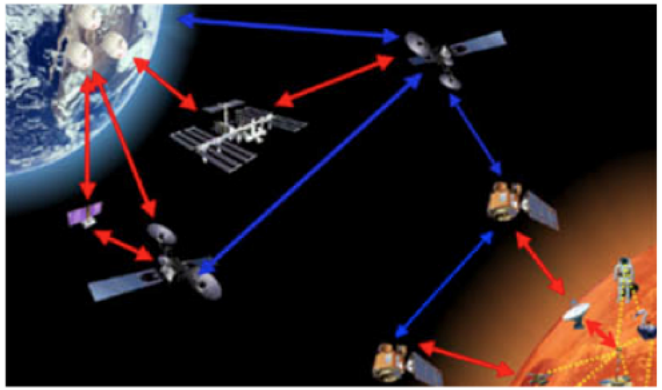
DSN 50th Celebration Symposium

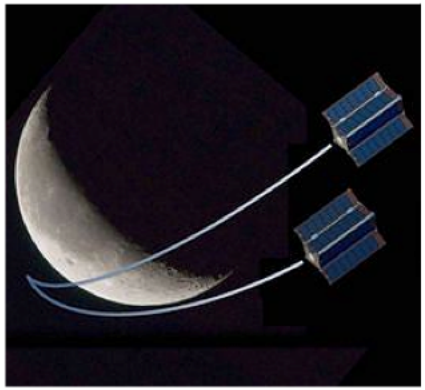
DSN: Past, Present, and Future

February 20 , 2014 1pm – 5pm
von Karman Auditorium
Jet Propulsion Laboratory
Pasadena, California, USA







Program

1:00 – 1:05 pm	**Welcome**, Les Deutsch, Chair
1:05 – 1:25 pm	**Key Note Speech**, Charles Elachi
1:25 – 1:30 pm	**IEEE Awards Presentation**, Charles Elachi
1:30 – 2:00 pm	**The First 50 Years: A Historical Perspective**, Doug Mudgway, Pat Beyer, Michael Rodrigues, and Jim Hodder
2:00 – 2:10 pm	**Introduction to the DSN and its Operations**, Al Bhanji, Wayne Sible and Jeff Berner
2:10 – 2:20 pm	**The Madrid Deep Space Communications Complex**, Pablo Perez
2:20 – 2:30 pm	**The View from Down Under**, Ed Kruzins
2:30 – 2:40 pm	**The Goldstone Deep Space Communications Complex**, Michael Clements
2:40 – 3:10 pm	**The DSN: The Most Important Science Tool of the last 50 Years?**, Joseph Lazio, Les Deutsch
3:10 – 3:25 pm	Break
3:25 – 3:55 pm	**How DSN Technology Changed the World**, Laif Swanson
3:55 – 5:00 pm	**DSN's Future: Panel Interactive Discussions with the Audience**, Bill Weber (moderator), Phil Liebrecht , Les Deutsch, Joseph Lazio, Steve Townes, and Chad Edwards

Reading Reference Sheet

Mudgeway, Douglas J., “Uplink-Downlink: A History of the Deep Space Network 1957-1997”, SP 2001-4227, NASA, Washington, D.C. 2001.

Mudgeway, Douglas J., “Big Dish: Building America’s Deep Space Connection to the Planets”, University Press of Florida, Gainesville, 2005.

Urech Ribera, Jose Manuel, “NASA Stations near Madrid: Forty-five years of history (1963-2008)”, INTA, 2011.

Yuen, Joseph H. (Ed.), “Deep Space Telecommunications Systems Engineering”, JPL 82-76, Jet Propulsion Laboratory, Pasadena, 1982.

Mudgeway, Douglas J., “William H Pickering: America’s Deep Space Pioneer”, NASA, SP 2007-4113, Washington, D.C. 2007.

Koppes, Clayton R., “JPL and the American Space Program: A History of the Jet Propulsion Laboratory”, Yale University Press, New Haven and London, 1982.

Organizing Committee

Symposium Organizing Committee:

Al Bhanjin

Les Deutsh

Joseph Lazio

Mike Rodrigues

Wayne Sible

Steve Townes

Bill Weber

Joe Yuen (Chair)

Jet Propulsion Laboratory
California Institute of Technology

DEEP SPACE NETWORK

DON’T LEAVE EARTH WITHOUT IT