

## **RICHARD A. SHINE**

### **Current Responsibilities:**

- Solar B/Hinode – SOT/SP science operations, flight s/w, calibration updates
- SDO/AIA - flat field and alignment updates

### **Education and Professional History:**

- 2025 - present: Senior Research Scientist (part time), SETI Institute, Mountain View, CA
- 2019 – 2025: Senior Research Scientist (part time), Bay Area Environmental Research Institute, Moffett Field, CA.
- 2012 – 2019: Staff Scientist (call in, part time), Lockheed Martin Advanced Technology Center, Palo Alto, CA.
- 2011: retired from full time employment
- 1985 – 2011: Staff Scientist, Lockheed Martin Advanced Technology Center, Palo Alto, CA.
- 1977-85 – Research Astrophysicist, Laboratory for Astronomy and Solar Physics, Goddard Space Flight Center
- 1974-77 – Research Associate, Laboratory for Atmospheric and Space Physics, University of Colorado
- 1973-74 – Research Associate, Joint Institute for Laboratory Astrophysics, University of Colorado
- 1973: Ph.D. Physics and Astrophysics, University of Colorado
- 1968: B.S. Physics and Mathematics, University of Wisconsin

### **NASA Experience**

- Solar B/Hinode – science operations, flight s/w, reformatting s/w, tunable filter testing
- Solar Dynamics Observatory – Co-I on AIA, design and testing of Lyot assembly for HMI
- TRACE – science planning s/w, data compression s/w, data browsing, instrument testing
- Solar Maximum Mission – instrument testing, science planning and operations
- OSO-8 – data analysis, science operations