

### Technical Page

Proposal Type: Regular  
 General Category: Planetary Radar  
 Observation Category: Solar System  
 Total Time Requested: 73 Hours

**Proposal Title:** Radar Imaging of near-Earth asteroids 1998 FH12, 22771 (1999 CU3, and 1998 RO1

*ABSTRACT:*

We propose delay-Doppler imaging of near-Earth asteroids 1998 FH12, 22771 (1999 CU3), and 1998 RO1 to discern decameter- scale surface features, reconstruct their shapes, determine their spin states, and to determine the orbital parameters, mass, and density of 1998 RO1, a suspected binary system.

| Name               | Institution               | E-mail                    | Phone        | Student |
|--------------------|---------------------------|---------------------------|--------------|---------|
| Lance A. M. Benner | Jet Propulsion Laboratory | lance@reason.jpl.nasa.gov | 818-354-7412 | no      |

**Service Observing Request**

**Remote Observing Request**

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

- No
- Maybe
- Yes

**Instrument Setup**

S-Band radar

**Atmospheric Observation Instruments:**

**Special Equipment or setup:** none

**RFI Considerations**

**Frequency Ranges Planned**