

---

# Smart Dust Mote Core Architecture

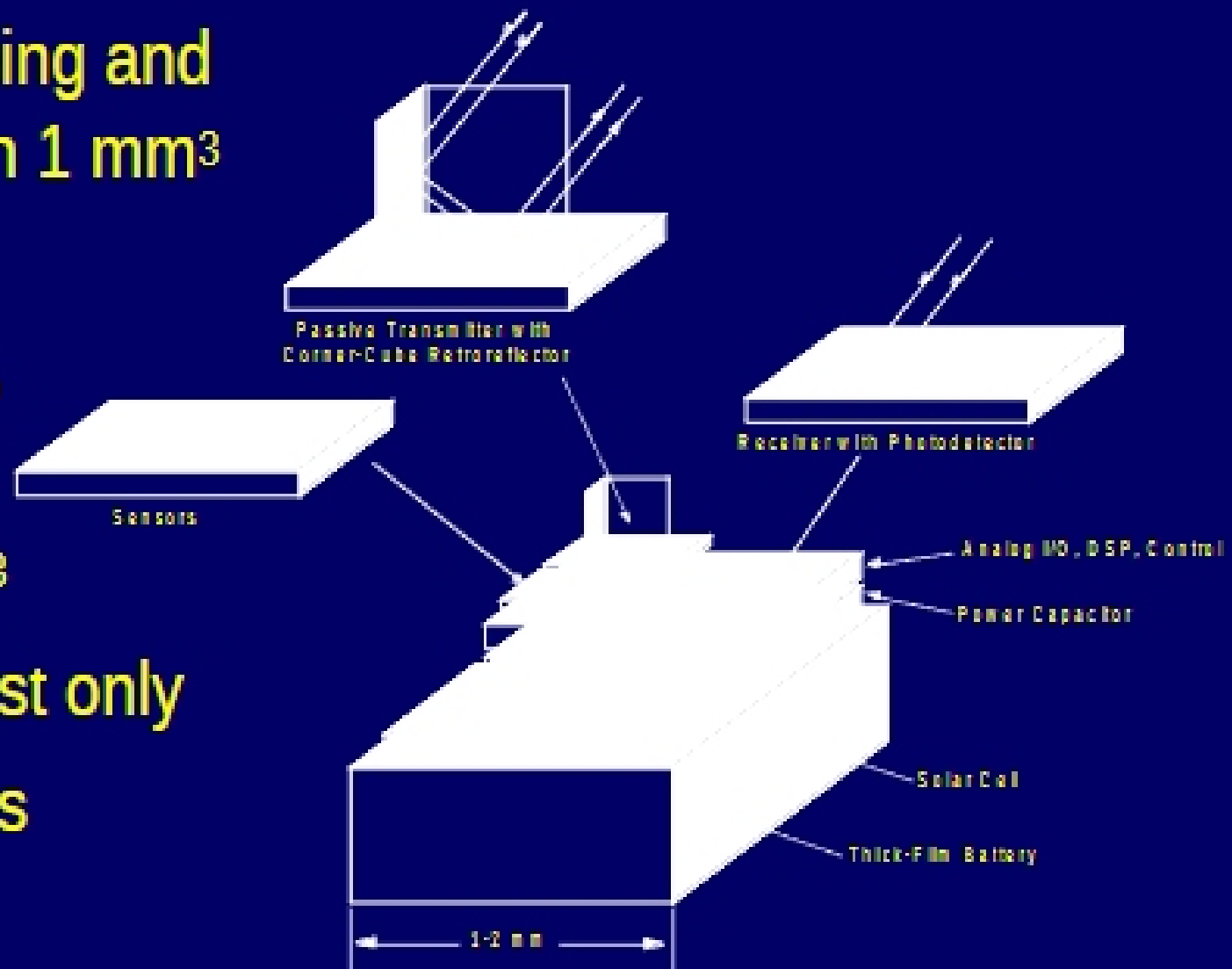
Brett Warneke, Sunil Bhave

CS252

Spring 2000

# Smart Dust Overview

- Autonomous sensing and communications in  $1 \text{ mm}^3$
- Multiple sensors: temperature, light, vibration, etc.
- Batteries:  $1 \text{ J/mm}^3$
- Downlink: broadcast only
- Uplink: CCR draws  $6.4 \text{ pJ/bit}$



# System Diagram

---

