



### Research Question:

- How can we design communication system for small satellites for ISC?

### Proposed System:

- LED-Based Visible Light Communication System

### Design Approach:

- Data to be transmitted along Fraunhofer lines only

### Problem:

- Tiny size of small satellites is a limitation

### Motivation

- Small Size
- Light-weight
- Low-Power
- Long-life
- Simple Design

### Results

- Data rate of 0.5 Mbps for link distance of 1 km

