

<Lunar Orbit CubeSat Mission (LOCM)>

*Limit 5 pages, single spaced, 11 pt font, in English. A4 or Letter paper with 2cm margins on all sides. Number all pages.*

**Title:**

**Corresponding Author:**

**Email:**

**Co-author(s):**

**Organization(s):**

### **Mission Objectives**

List and describe no more than 5 mission objectives and prioritize them. These should be quantitative in nature and serve as overall measures of effectiveness for the mission. Describe the impact to society and/or technical knowledge this mission seeks to deliver.

### **Concept of Operations**

List and describe key mission elements (ground segments, space segments, etc.) and describe their primary interfaces. Use diagrams and tables as appropriate.

### **Key Performance Parameters**

List and explain the technical rationale for 3-5 key performance parameters that enable the successful conduct of your mission idea.

### **Space Segment Description**

Describe the conceptual design for your satellite system or systems. List key specifications (e.g. mass, volume, peak and average power, link budget, delta-V, etc.). Diagrams or simple CAD drawings are encouraged.

### **Orbit Description**

Describe the orbital elements for the desired mission and explain the technical rationale for its selection.

### **Implementation Plan**

Describe how your organization, or your organization working with others, could implement your idea. Provide a reasonable estimate of total life cycle cost to include design, development, assembly, integration, testing, operations and disposal. Provide considerations about project sustainability where applicable. List any facilities or other infrastructure to be used or needed. Describe the project organization. Present a top-level project schedule starting from authority to proceed. List and describe the top 5 project risks (technical or programmatic).

### **References**

List any technical references for your idea.