

**Preliminary Workshop
for
the 4th Mission Idea Contest
- Overview -
“From Concept to Reality”**



**July 3, 2015
The Review Committee**



History

- 3 Mission Idea Contests and 1 workshop have been held to stimulate creative use of micro/nano-satellites since 2010.
- Aerospace engineers, university students, consultants and others participated to propose mission ideas.



MIC3 final presentation,
Nov 19, 2014,
Tokyo, Japan



MICs and Pre-MIC4 Track Records

| | MIC1 | MIC2 | PreMIC3 | MIC3 |
|------------------|---|--|-------------------------|-----------------|
| Satellite mass | <15 kg | <50 kg | <50 kg | <50 kg |
| No of satellites | 2 or more (constellations only) | 1 or more (const's not required) | Same as MIC2 | Same as MIC2 |
| Category | Mission idea for nano-satellite constellation | Satellite design Business model | Users Developers | Only 1 category |



Lessons Learned

- Great ideas brought by finalists and semi-finalists.
- But they need to recognize issues in technologies, finance, human resources and others.
- **Pre-MIC4 workshop** is to facilitate collaboration among industry, university and government communities for the use of micro/nano-satellites.



MIC3 poster presentation,
Nov 19, 2014,
Tokyo, Japan



Pre-MIC4 Criteria

| | MIC1 | MIC2 | PreMIC3 | MIC3 | PreMIC4 |
|------------------|---|--|-------------------------|-----------------|---|
| Satellite mass | <15 kg | <50 kg | <50 kg | <50 kg | <50 kg |
| No of satellites | 2 or more (constellations only) | 1 or more (const's not required) | Same as MIC2 | Same as MIC2 | Same as MIC2 |
| Category | Mission idea for nano-satellite constellation | Satellite design Business model | Users Developers | Only 1 category | Mission Proposers Resource Providers |



Workshop Participants

- Mission Proposers
Anybody who has practical application ideas of micro/nano-satellite(s).
- Resource Providers
Corporations, space agencies or other government sectors as well as individuals.



Process and Timeline

Mission Proposals : Deadline March 3, 2015

**Proposals selection : March 31,
abstracts posted on the website.**



Resource Providers : Deadline April 10, 2015

Resource Providers notified : April 30, 2015



Selected Proposers and Providers introduced

Contact each other to exchange information and opinions



Presentation in Tokyo at Pre-MIC4 workshop on July 3



Pre-MIC4 Workshop Objectives

- To create favorable environment to facilitate domestic/international collaboration for the use of micro/nano-satellites.
- To invite resource providers who will provide support and provide resources to realize mission ideas.
- Resource providers could be corporations, space agencies or other government agencies.

Pre-MIC4 workshop will provide a forum for MIC participants by inviting **resource providers for international collaboration and partnership.**



Resource Providers Contribution

- Mentoring/consultation, components, technical supports, launch arrangement, financial supports, manpower for project management, mission equipment, testing facilities, ground station, training course, software, etc.
- Provide information to help MIC proposal team(s) to grow their ideas to plans, then to real missions.
- Introduce their services and/or products and explain how they can contribute to mission ideas.
- Support may apply to particular team(s) in Pre-MIC4 as well as future MICs.



Today's Schedule

1. Presentation by Mission Proposers
 - 15 minutes for presentation
 - 5 minutes for Q&A (from Reviewers and Resource Providers)
2. Lunch (Reviewer meeting)
3. Presentation by Resource Providers
 - 10 minutes for presentation
 - Mission Proposers can incorporate in their proposals.
4. Poster Presentation by Mission Proposers
 - Reviewers visit each poster presentation for Q&A.
5. Country Report (Reviewers meeting)
6. Award Ceremony
7. Reception



Let's Start!



MIC office
Info@spacemic.net
<http://www.spacemic.net>

Regional Coordinator
<http://www.spacemic.net/regionalcoordinators3.html>