

Overview Pre-Workshop for the 5th Mission Idea Contest for Micro/Nano Satellite Utilization

Dec 2, 2017
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Chair of the Review Team



Background

- Mission Idea Contest was launched in 2010 to encourage innovative exploitation of micro/nanosatellites to provide useful capabilities, services.
- It provides aerospace engineers, college students, consultants, and anybody interested in space with opportunities to present their creative ideas and gain international attention.



MIC2 final presentation, Oct. 10, 2012, Nagoya, Japan



MIC3 finalists and reviewers, Nov 19, 2014, Kitakyushu, Japan



PreMIC5 Overview

- Objective: encourage innovative exploitation of micro/nano satellites to provide useful capabilities, services or data
- Eligibility: Any individual, group or company with suitable space systems expertise and an enthusiasm for nano-satellites
- One Category: Mission Idea and Satellite Design
- Target satellite(s): satellite(s) weighing less than 50 kg
- Local Competitions: Japan, Germany, USA, Mexico, Italy
- Important dates:

May 31, 2017: Abstract (5 pages max) Due **EXTENDED**

June 19, 2017: Notification of acceptance

July 22, 2017: Final presentation in Kitakyushu, Japan

Dec 2, 2017: Winners can make presentation at PreMIC5 Workshop in

UNISEC-Global Meeting, Rome, Italy

http://www.spacemic.net

Comparison of the past MIC and Pre-MIC

	MIC1	MIC2	PreMIC 3	MIC3	PreMIC4	MIC4	PreMIC 5
Satellite mass	< 15 kg	<50 kg	<50 kg	<50 kg	<50 kg	<50 kg	<50 kg
Number of satellites	2 or more (constellati ons only)	1 or more	1 or more	1 or more	1 or more	1 or more	1 or more
Category	1 Mission idea for nano- satellite constellation	Mission idea and satellite design Mission idea and business model	2 User Develop er	1 Mission idea and satellite design	2 Mission proposer Resource provider	1 Mission idea and satellite design	Mission idea and satellite design (SDGs require ment)

New Requirement for PreMIC5

Your proposal needs to satisfy any of the frameworks.





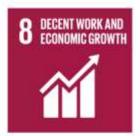
































https://sustainabledevelopment.un.org/sdgs

Review and Award

- Review team:
 - Rainer Sandau, IAA
 - Shinichi Nakasuka, University of Tokyo
 - Herman Steyn, Stellenbosch University
 - Rustem Aslan, Istanbul Technical University
- Award: The best team will be seeded in the 5th Mission Idea Contest for Micro/Nano Satellite Utilization.