

GNSS user meet 2015 student competition

Introduction

India is pursuing two satellite navigation programs viz., GAGAN (GPS Aided Geo Augmented Navigation) and IRNSS (Indian Regional Navigation Satellite System). GAGAN is jointly implemented by ISRO and Airports Authority of India (AAI) with an objective to provide satellite based navigation services with accuracy and integrity required for civil aviation applications over Indian air space. IRNSS is an independent Regional Navigation system for providing Positional, Navigation and Timing (PNT) services over Indian Landmass.

“GNSS user meet 2015” is being jointly hosted by ISRO/AAI and is slated to be held in the month of October, 2015 at ISRO Satellite Centre, Bangalore, India. The aim of the meet is to bring together all the stake holders, namely, Industry, Application developers, Academia and User community to interact and share GAGAN/IRNSS applications in India. In this context, it is proposed to conduct a “Students competition” to provide inquisitiveness and exposure to the students and academia to the tremendous potential of applications using GAGAN and IRNSS navigation signals. The competition is looking for GNSS (Global Navigation Satellite Services) applications that are innovative to address the specific requirement of Indian business and societal applications. There are enormous applications based on GNSS that are limited only by human imagination.

ISRO is calling students to submit their innovative and outstanding ideas of GNSS applications to be evaluated by domain experts.

Theme:

The theme of the competition is

“Innovative ideas in GNSS Design and Applications”

The Application fields are but not limited to Road & Traffic management, Location based services, Agriculture & Forestry, Public & Social services, Aviation, Rail, Safety & Security, Health, Energy, Sports & Tourism, Social networking, Environment, Disaster management, Marine etc.

Participants:

The competition is open to students only.

Only one of the authors of the selected ideas shall be eligible to attend the “GNSS user meet 2015” with registration. All the selected ideas (all authors) will be awarded a participation certificate.

Submission details:

Soft copy of the abstract (one page in “word” file format) shall be submitted through online web only. No communication through other means will be accepted.

Last date for submission : 10/09/2015

Final submission of selected ideas (in requisite format) : 22/09/2015

Selection:

Selection would be based on the innovation and uniqueness in the idea proposed and will be evaluated by experts. The decision of the experts is final. The criteria for selection will be based on the

- i) Uniqueness and innovation in the idea
- ii) Preference would be given to the ideas related to the usage of IRNSS and GAGAN.
- iii) Photographs of the Prototypes, if available shall be included.
- iv) Ideas which can be converted to viable application.

Poster Presentation:

All the selected ideas will be presented in the “GNSS user meet 2015” as posters in a designated area. The details regarding the “poster presentation” will be intimated to authors of the selected ideas.

Terms & Conditions:

1. The author of the selected ideas needs to produce their student identity as part of the procedure for final acceptance.
2. The idea submitted will be made public and will not carry any protection.
3. The idea submitted should not violate any rights of the third party.
4. The organisers of the “User meet” have the right to cancel the competition for any unforeseen reasons and need not be disclosed.
5. The contributors should sign an undertaking that the idea is of their own and if any claim is raised on the idea, they would only be responsible for settlement of any claim from third party.