

réf. **GNSS-AC**

Code OACI 179

ENAC - SINA/EES/ELE

FORMATION EN ANGLAIS

DURÉE

5 jours

PLACES OFFERTES

18

DATES ET LIEUX

No session in 2016, recast in progress

CONDITIONS DE PARTICIPATION

Frais pédagogiques :
Catégorie A
• 2015 : 1836 €
• 2016 : 2064 €

Informations pratiques :
voir en fin de catalogue

CONTACT ADMINISTRATIF ENAC

formationcontinue@enac.fr

Bulletin d'inscription obligatoire :
voir en fin de catalogue

Objectifs

See previous page.

Participants concernés

See previous page.

Contenu

Airborne Based Augmentation System

- RAIM: example Least Square Residual Method: Least Squares Position Solution, Detection criterion, Protection levels computation
- RAIM Algorithm specifications from high level requirements: Threat model, False alert, Missed detection
- AAIM: Hybridisation with onboard sensors: example GPS/IRS

Satellite Based Augmentation System

- Differential GPS Concept
- SBAS typical architecture and implementation
- SBAS correction, integrity message
- Protection levels computation

Ground based Augmentation System,

- GBAS typical architecture and implementation
- GBAS correction, integrity message
- Protection levels computation

Lab on GNSS Augmentations

- Use of local network
- Use of EGNOS or WAAS
- Integrity computation

Modernized GPS and GALILEO

- Modifications and improvements brought by the future GNSSs
- GALILEO GIC: Integrity monitoring structure, Integrity message, User algorithm
- International cooperation necessary to the deployment of the future systems

For information only : 30 hours

RESPONSABLE(S) DU STAGE

Anaïs MARTINEAU [Systèmes Informatiques]