



IPIN 2018

NINTH INTERNATIONAL CONFERENCE ON
INDOOR POSITIONING
AND INDOOR NAVIGATION
SEPTEMBER 24-27, 2018, NANTES, FRANCE



IPIN2018 competition

Overview 24/09/2018





Reminders

- A unique site : Atlantis shopping mall
- 4 tracks
- 75% CDF
- 15 m penalty
(on floor error)
- Ground truth thanks to Viametris :





Track 1 "Camera based Positioning (on-site)"

- ~870m
- Indoor only
- Travellators and parking (at the end)
- 3 breaks of 15s
- 3 floors : R0-R1-R2

Team Name	Country
GOOGLE	United States
XMU	China
ARIEL-1	Israel
ARIEL-2	Israel
ETRI	Korea

5 teams



Track 2 "Non Camera based Positioning (on-site)"

- ~840m
- Indoor & outdoor
- Stairs
- Travellators and parking
(at the end)
- 2 breaks of 15s
- 3 floors : R0-R1-R0-Rminus1

Team Name	Country
SONY	Japan
CLE	United Kingdom
UPJS	Slovakia
SNU	Korea
MSU	Russia
TUM	Germany
KYUSHU	Japan
ETRI	Korea
BTX	Ireland
FINEWAY	China

10 teams



Track 3 "Smartphone based Positioning (off-site)"

- ~1 km
- Indoor only
- One loop
- 1 lift & 1 traveller
- 2 breaks of 15s
- 3 floors : R1-R0-Rminus1

Team Name	Country
ARARADS	Chile
HFTS	Germany
Five_WHU	China
TENCENT	China
XMU	China
CLE	United Kingdom
CLIPS	Korea
LUND	Sweden
MSU	Russia
TUM	Germany
YAI	Taiwan
TRIMBLE	India
IOT2US	United Kingdom
UGENT	Belgium
EGEC	China

15 teams



Track 4 "Foot-Mounted IMU based Positioning (off-site)"

- ~1 km
- Indoor & outdoor
- Stairs
- Travellator and parking
(at the end)
- 2 breaks of 15s
- 3 floors : R0-R1-R0-Rminus1

Team Name	Country
KIT	Germany
WHU	China
YAI	Taiwan
AOE.AC.CN	China

4 teams



Competition result - TOP 3

(sorted in alphabetical order)



• Track1

- Team ARIEL-1
- Team ARIEL-2
- Team ETRI

• Track 2

- Team KYUSHU
- Team SNU
- Team SONY

• Track 3

- Team EGEC
- Team TENCENT
- Team Five_WHU

• Track 4

- Team AOE.AC.CN
- Team KIT
- Team WHU