



IPIN 2022

TWELFTH INTERNATIONAL CONFERENCE ON

INDOOR POSITIONING AND INDOOR NAVIGATION



Track 3: Smartphone

Joaquín Torres-Sospedra - Antonio R. Jiménez

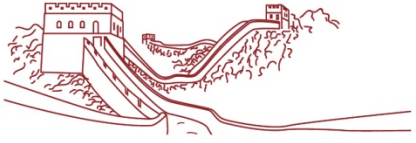


Aerospace Information Research Institute,
Chinese Academy of Sciences



EVROPAE





7th year in a row

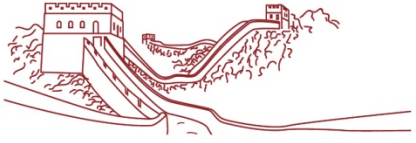


School of Engineering – Universidade do
Minho
Guimarães - Portugal

Backup to a shopping mall in Beijing

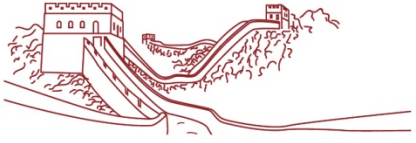
- Floor height depends on floor
- Step floor and height depends on location
- Indoor patio
- Reference data collected end of May
- Scoring data collected later
- Outdoor parts
- Floor transitions in ramps
- 10 people collecting data & 8 devices





7th year in a row

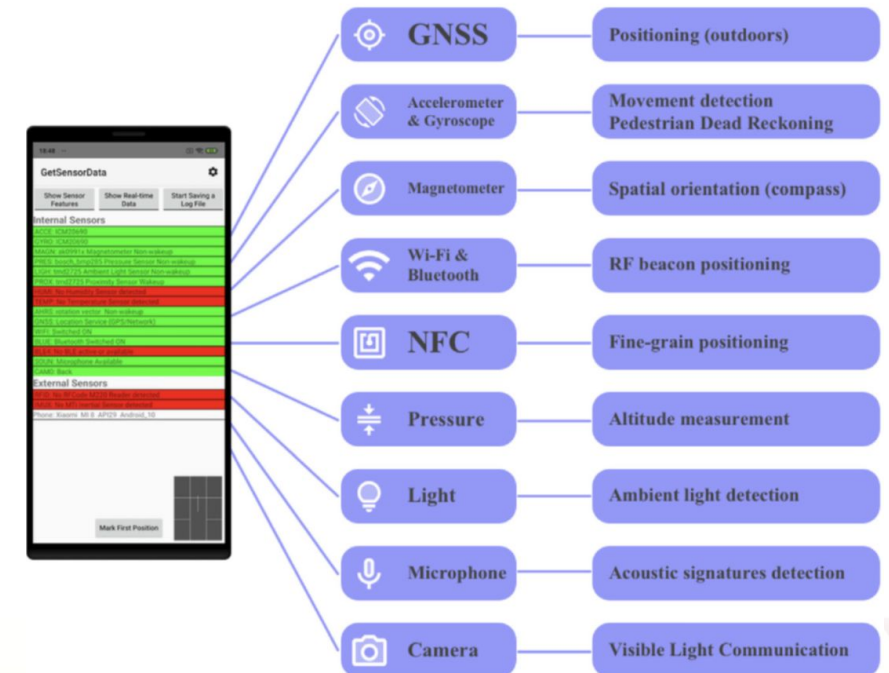


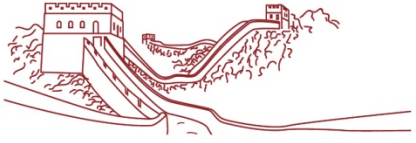


GetSensorsData

Juan D. Gutiérrez, Antonio R. Jiménez, Fernando Seco, Fernando J. Álvarez, Teodoro Aguilera, Joaquín Torres-Sospedra, Fran Melchor,
GetSensorData: An extensible Android-based application for multi-sensor data registration,
SoftwareX, Volume 19, 2022,
<https://doi.org/10.1016/j.softx.2022.101186>.

(<https://www.sciencedirect.com/science/article/pii/S2352711022001121>)

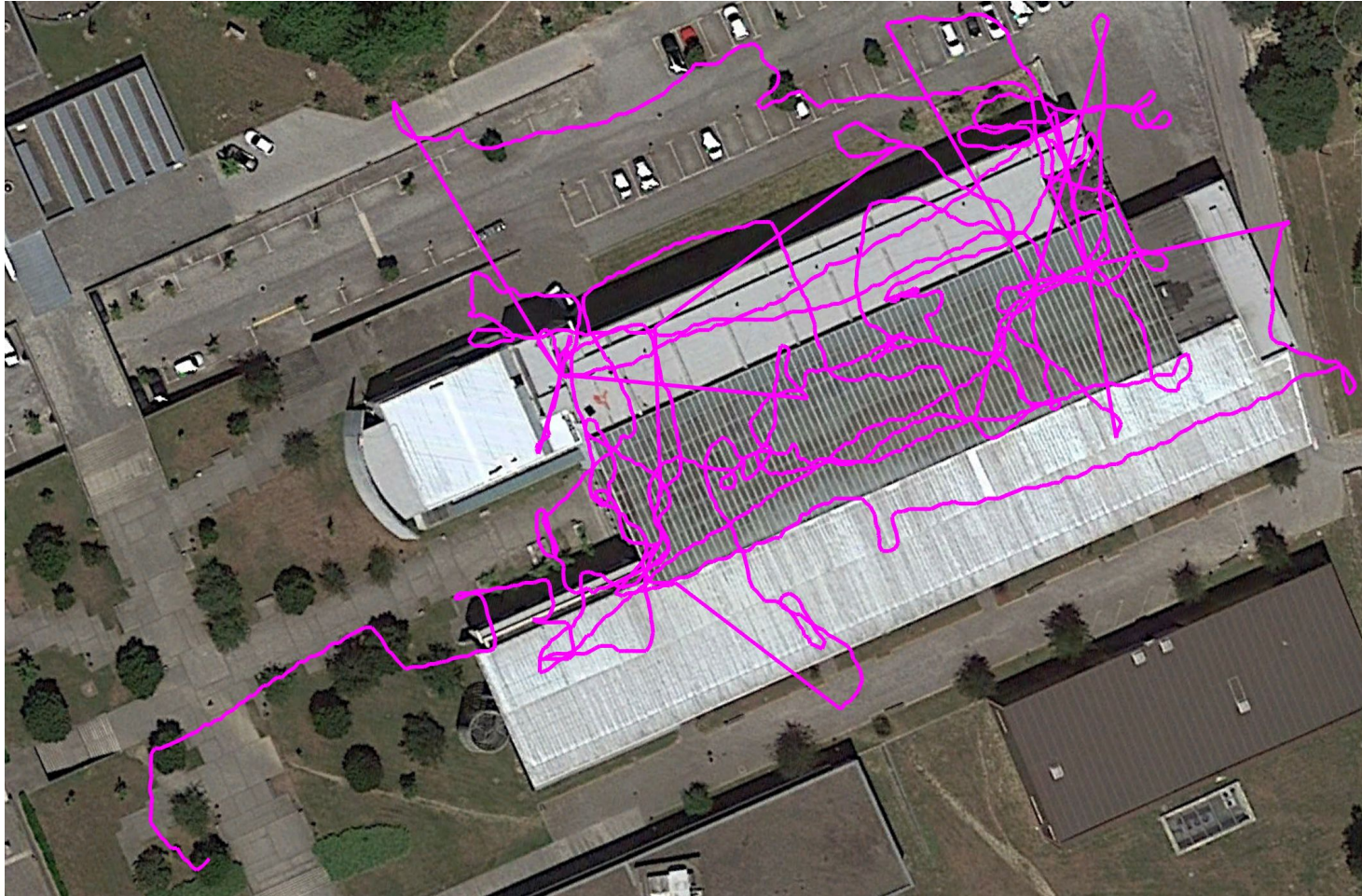
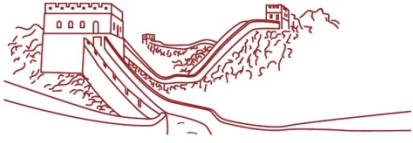


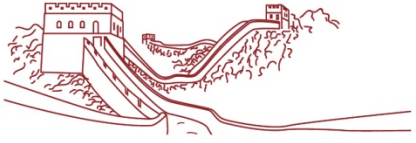


Results

-		30.1 m	-
-		40.8 m	-
-		>45 m	-
-		>45 m	-

+3 Teams that did not completed any scoring trials





Results

-	X-LAB	30.1 m	-
-	Leviathan	40.8 m	-
-	imec-Waves	>45 m	-
-	BUPT-ICT,	>45 m	-

+3 Teams that did not
completed any scoring trials



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谢谢观赏

