

Fourth annual GNSS Raw Measurements Taskforce Workshop

Online, 27- 28 May 2020

DAY 1 – 27.5.2020, 14:45 - 18:30 (CEST)

14:45 – 15:00 [Connecting to the Webex Platform](#)

[SESSION 1]

15:00 – 15:10 **Welcome by the Head of Market Development Department**
Fiammetta Diani, GSA

15:10 – 15:40 **Keynote speech**
1.1 Frank van Diggelen, Google

15:40 – 15:55 **Opportunities for Android developers**
1.2 Justyna Redelkiewicz, GSA

15:55 – 16:10 **GNSS Raw measurements in the context of caller location and emergency communication in the mobile phones**
1.3 Katarzyna Porzuc, European Commission

16:10 – 16:30 [Break](#)

[SESSION 2]

- 16:30 – 18:30 **GNSS Raw Measurements and Galileo Differentiators**
- 2.1 Xurxo Otero, European Space Agency, “Testing of multi-frequency smartphone grade GNSS chipsets – preliminary results”*
 - 2.2 Tomasz Lewandowski, Airbus, “Outcomes from dual-frequency and Galileo alone smartphone test campaigns”*
 - 2.3 Maria-Angeles Aragon, JRC, “NeQuick-G: a SMART and ready-to-go implementation”*
 - 2.4 Joaquin Reyes, GSA, “EGNSS4CAP: How to use GNSS Raw Measurements to improve the digitalisation of CAP controls”*
 - 2.5 Vojtech Fort, GSA, “Overview of Recent and Upcoming R&D Funding Opportunities”*
 - 2.6 Carlo Sarto, Qascom, “Galileo OSNMA in smartphones”*



DAY 2 – 28.5.2020, 14:45 - 18:15 (CEST)

14:45 – 15:00 [Connecting to the Webex Platform](#)

[SESSION 3]

15:00 – 16:15 **Task force members: Innovative work results using raw measurements (1)**

3.1 Renato Filjar, University of Rijeka, *Resilient GNSS Positioning Performance: Is the Problem Solved?*

3.2 Ali Pirsiavash, Allystar, *“Measurement Quality Monitoring for Low-Cost Small-Size Multi-Band Multi-System GNSS Receivers”*

3.3 Miguel Garcia, Xavier Banque, Rokubun, *“WiFi RTT measurements as the GNSS companion for Indoor Positioning”*

3.4 Joshua Critchley-Marrows, NSL, *“The FLAMINGO experience; developing a 50cm positioning service for Smartphones”*

3.5 Celine Ragoin, Miguel Ortiz, University Gustave Eiffel, *“Precise positioning on smartphones: which implementation strategy to adopt?”*

16:15 – 16:30 [Break](#)

[SESSION 4]

16:30 – 18:00 **Task force members: Innovative work results using raw measurements (2)**

4.1 René Warnant, University of Liege, *“Ionosphere Monitoring Using Dual Frequency Multi-Constellation Smartphones”*

4.2 Christian Lichtenberger, University of Bundeswehr, *“Ghosthunter - Telematics System against Wrong Lane Drivers with the help of GNSS”*

4.3 Anindya Bose, The University of Burdwan, *“GNSS Positioning capability of Android based Smartphones: A Study”*

4.4 Giulio Scattolin, University of Padova, *“Detecting Spoofing Events by Comparing Reconstructed Positions of E1a and E5a Galileo Signals”*

4.5 Jorge Morán, ESSP, *“Enhancing Smartphones’ Location with EDAS (EGNOS Data Access Service) Internet Corrections”*

4.6 Francesco Darugna, GEO++, *“Impact of Robot Antenna Calibration on Smartphone-Based High Accuracy Positioning: A Case Study Using the Huawei Mate20X”*

18:00 – 18:15 **Final Remarks**

4.7 Martin Sunkevic, GSA