

MULTIPOS
D5.4 Version 1.0
Summer School 1

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Abstract: The Summer School was organized in St. Petersburg, Russia in cooperation with the associate partner ITMO.

Disclaimer:

Document Control

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Executive Summary

The second seasonal school of MULTI-POS was held in St. Petersburg, Russia on June 9-11, 2014 in cooperation with the associate partner ITMO. The Summer School programme and list of participants are to be shown. There were 23 participants to the school, consisting of lectures of high-level local and international experts.

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List of Acronyms and Abbreviations

Term	Description
ITMO	St. Petersburg National Research University of Information Technologies, Mechanics and Optics

1. Introduction

This document describes the implementation of Summer School 2 that was organized in St. Petersburg, Russia.

2. Summer School Implementation

This section describes the details of the seasonal school implementation. We were taking advantage of our associate partner ITMO and their contacts to Russian experts, and also our contact to Finnish experts in the field. Further information on the MULTI-POS website [1].

2.1 Location and dates

Vedensky hotel

37 Bolshoy prospect, Petrogradsky district

St. Petersburg, Russia

June 9-11, 2014

2.2 Theme

GNSS Constellations and Multi-GNSS Receivers.

2.3 Agenda

Monday June 9

12:00 Lunch

13:00 Welcome and introduction (MULTI-POS management & ITMO representatives)

13:30 Mårten Ström, Space Systems Finland

“Introduction to GNSS and Overview of the Changing GNSS Landscape”

15:00 Coffee break

15:30 Gonzalo Seco-Granados, UAB, Spain

“GPS Receiver Architecture with focus on High-Sensitivity and Multiantenna Technologies”

17:00 End of the lectures

18:00 Informal dinner near the summer school venue (t.b.d.)

Tuesday June 10

9:00 S.G.Revnivykh (one of the leading Russian specials on GLONASS)

“Present and Future of GLONASS”

11:00 Coffee break

11:30 Gonzalo Seco-Granados, UAB, Spain

“GALILEO Positioning System: Technology, Status and Services”

13:00 Lunch

14:00 Sarang Thombre, Finnish Geodetic Institute, Finland

“Beidou GNSS: Similarities and Differences in Comparison to GPS”

15:00 Coffee break

15:30 Sarang Thombre, Finnish Geodetic Institute, Finland

“Testing and Characterization of GNSS Receivers”

17:00 – 21:00 City Tour: a short bus tour from the Summer School venue to the pier followed by a River and Canals of Saint-Petersburg boat trip.

Wednesday June 11

9:00 Mårten Ström, Space Systems Finland

“Multi-GNSS Systems Simulation”

11:00 Coffee break

11:30 N.V.Mikhaylov, CEO of RNav Ltd.

“Present and Future of Multisystem GNSS Receivers: Developer’s Viewpoint”

12:30 Exam

13:00 Lunch

14:00 End of summer school

3. Participants

In the following table the participants by partner and by day are summarized. The MULTI-POS fellows are denoted by an asterisk (*).

Table 3-1 Participants of the summer school

surname	name	country	organization
Basiri	Anahid *	United Kingdom	Nottingham Geospatial Institute
Bausá López	Luis *	Spain	VU Amsterdam
Daniel	Ondřej *	Finland	TUT (Tampere University of Technology)
Ferrara	Nunzia Giorgia *	Finland	Tampere University of Technology
Figueiredo e Silva	Pedro *	Finland	Tampere University of Technology
Fröhle	Markus *	Sweden	Chalmers University of Technology
Hallauer	Thomas	United Kingdom	PTOLEMUS Consulting Group
Mikhailov	Nikolay	Russian Federation	-
Motorin	Andrei	Russian Federation	CSRI Elektropribor
Nurmi	Jari	Finland	Tampere University of Technology
Pasnikowski	Maciej *	Poland	GMV
Peltola	Pekka *	United Kingdom	Nottingham University
Pileggi	Paolo *	Belgium	PTOLEMUS Consulting Group
Raasakka	Jussi *	Czech Republic	Honeywell International
Revnivykh	Sergey	Russian Federation	-
Rivero Rodríguez	Alejandro *	Finland	Tampere University of Technology
Sanchez	Susana *	Spain	Pildo Labs
Seco-Granados	Gonzalo	Spain	Universitat Autònoma de Barcelona
Shytermeja	Enik *	France	Ecole Nationale de l'Aviation Civile (ENAC)
Stepanov	Oleg	Russian Federation	Electropribor
Ström	Mårten	Finland	Space Systems Finland Oy
Thombre	Sarang	Finland	Finnish Geodetic Institute
Wymeersch	Henk	Sweden	Chalmers University of Technology



Fig. 3.1 Group photo at the Summer School in St. Petersburg.

4. Conclusions

The Summer School was successfully organized by TUT and ITMO in St. Petersburg, Russia.

5. References

- [1] Multi-pos website www.multi-pos.eu