

2nd TREASURE WORKSHOP

21 - 22 May 2019

TREASURE: A response to user needs in PPP and RTK
The Pullman Toulouse Centre Hotel - Toulouse



PROGRAM 21 May

12:00 REGISTRATION
13:00 LUNCH
14.20 Welcome, Noveltis
14.30 Opening-Marcio Aquino, TREASURE Coordinator (UNOTT)

SESSION 1.a: Error modelling to support PPP and RTK

Chairs: TBD

14.40-15.10 Invited: "TechTIDE project: how technology can support space weather applications", Anna Belehaki (NOA)
15.10-15.40 "TEC and Scintillation modelling and forecasting ", TREASURE ESR1, Juliana G. Damasceno (INGV/UNISALENTO)
15.40-16.10 "Ionospheric Tomography and data assimilation", TREASURE ESR2, Jon Bruno (UoB)
16.10-16.30 COFFEE BREAK
16.30-17.00 "Travelling Ionospheric Disturbance (TID) Modelling and Mitigation", TREASURE ESR3, Karl H. Bolmgren (UoB)

SESSION 1b: Error modelling to support PPP and RTK

Chairs: TBD

17.00-17.30 "Tropospheric models", TREASURE ESR4, Hongyang Ma (TuDelft)
17.30-18.00 "Real Time provision of high accuracy orbits and clocks", TREASURE ESR13, Lotfi Massarweh (Deimos/Instituto Superior Tecnico)
18.00-18.15 Open talk
18.15-18.30 Open talk

PROGRAM 22 May

SESSION 2: Interference, scintillation and high accuracy GNSS algorithms

Chairs: TBD

9.00-9.30 Invited: "LEO satellite GPS-derived orbits with integer ambiguity fixing in zero difference mode", Flavien Mercier (CNES)
9.30-10.00 "Carrier-based software receiver", TREASURE ESR5, Caner Savas (Polito)
10.00-10.30 "Interference detection and mitigation", TREASURE ESR6, Wenjian Qin (Polito)
10.30-11.00 "Ionospheric scintillation sensitive tracking models and mitigation tools", TREASURE ESR7, Kai Guo (UNOTT)

11.00-11.20 COFFEE BREAK

11.20-11.35 open talk

Session 3: High accuracy GNSS algorithms

Chairs: TBD

11.35-12.05 Invited: "Industrial perspective on PPP services", François FUND (GEOFLEX)
12.05-12.35 "Real time PPP and RTK algorithms", TREASURE ESR8, Brian Weaver (UNOTT)
12.35-12.50 open talk
12.50-14.00 LUNCH
14.00-14.30 "Fast and reliable multi-GNSS PPP with integer ambiguity resolution", TREASURE ESR9, Dimitrios Psychas (Fugro/TuDelft)
14.30-15.00 "Improved high accuracy RTK positioning", TREASURE ESR10, Francesco Darugna (Geo++/IFE Uni-Hannover)
15.00-15.30 Invited: "Business and IP issues in the context of the TREASURE project", Paul Bhatia from GRACE (UNOTT/GRACE)

15.30-16.00 Invited: "Market and business aspects of precision agriculture", Speaker from GSA (TBD)

16.00-16.20 COFFEE BREAK

Session 4: Market opportunities for real time GNSS high accuracy positioning

Chair: TBD

16.20-16.50 Invited: "Emergence of high technology markets: the case of space business ", Victor dos Santos (Toulouse Business School)
16.50-17.20 Invited: "ESA Business Applications: from space to market ", Piera di Vito (ESA)
17.20-17.50 "TREASURE ICT Technical Feasibility Study", TREASURE ESR11, Hossein Ghobadi (INGV/UNISALENTO)
17.50-18.20 "Market introduction of the TREASURE conceptual prototype", TREASURE ESR12, Paola Testa (Noveltis/TBS)
18.20-18.30 Workshop Wrap Up and Closure, Marcio Aquino (UNOTT)
18.30 END OF THE WORKSHOP
20.00 SOCIAL DINNER AT "LES CAVES DE LA MARÉCHALE"