Workshop

“CALIBRA DAY”


CALIBRA
COUNTERING GNSS HIGH ACCURACY
APPLICATIONS LIMITATIONS due to
IONOSPHERIC DISTURBANCES in BRAZIL

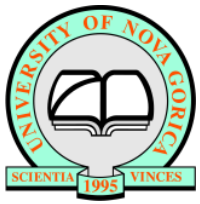

European GNSS Agency


unesp


The University of
Nottingham
UNITED KINGDOM · CHINA · MALAYSIA


Septentrio
satellite navigation


INGV


UNIVERSITY OF NOVA GORICA
SCIENTIA
1995
VINCES


ConsultGEL
Levantamentos Topográficos • Geodésicos • Regularização Fundiária e Ambiental

Workshop Aim

- **O objetivo deste Workshop é apresentar aos participantes uma visão geral, resultados e perspectivas futuras do Projeto CALIBRA, bem como de seu predecessor, Projeto CIGALA.**

- **To present to the participants a general vision, results and future perspectives of the CALIBRA Project as well as of the previous project, called CIGALA**

Workshop Agenda

10:30 – Openning

10h40 – Threats of Ionosphere on GNSS and general overview of CIGALA and CALIBRA Projects - João F Galera Monico & Vinicius Stuani (UNESP)

11h10 – A filtering method developed to improve GNSS receiver data quality in the CALIBRA project - Luca Spogli (INGV) / Ítalo Tsuschya (UNESP)

11h30 – Ionospheric short term empirical forecasting model - Giorgiana De Franceschi (INGV)/ Paulo Camargo (UNESP)

11h50 – Measuring the Brazilian ionosphere with the PolaRxS: 5 years of successful BR-EU collaboration - Peter Grognard (Septentrio, Belgium)

12h20 – Lunch

14h00 – ISMR Query Tool developed at FCT/UNESP to support CALIBRA and CIGALA Projects - Milton Shimabukuro (UNESP)

14h20 – Application of the ISMR Query Tool in the analysis of Ionospheric Scintillation from Galileo Satellites - Bruno Vani (UNESP)

14h40 – Visual Classification System using phylogenetics trees with Ionospheric Scintillation Data - Aurea Soriano Vargas (ICMC/USP)

15h00 – Ionospheric scintillation mitigation methods for RTK positioning - Marcio Aquino (UNOTT - UK) / Vinícius Stuani (UNESP)

15h30 – Break

16h00 – RTK network performance under ionospheric scintillation threats - Hérida dos Reis Silva (UNESP)

16h20 – Ionospheric Scintillation Impacts on GNSS Positioning using CIGALA/CALIBRA Network - Jessica Saldanha (UNESP)

16h40 – A Importância do Monitoramento da Cintilação Ionosférica em Operações Offshore na Petrobras – Romulo Parma Gonçalves (Petrobrás)

17h00 – Optimizing GNSS signals tracking under strong ionospheric scintillation in Brazil using the CIGALA network, baseband data and a software receiver - Luiz Paulo Souto Fortes (IBGE) / Tao Lin (UofC - Canada) / Gérard Lachapelle (UofC - Canada)

17h20 – Final Remarks

17h30 – End