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Workshop on Ionospheric Forecasting for GNSS Operations in Developing Countries: Findings and Challenges | (smr 3296)

Monday 27 May 2019

- Adriatico Guest House - Giambiagi Lecture Hall (08:30-17:00)

time	title	presenter
08:30	Registration and Administrative Matters	
09:30	Opening Remarks	S.M. RADICELLA, P. DOHERTY, S. GADIMOVA AND B. NAVA
10:00	Sources of Space Weather in Earth's Vicinity	N. GOPALSWAMY
11:00	ICG and its programme on GNSS	GADIMOVA, S.
11:20	Space Weather effects on GNSS	P. DOHERTY
12:00	Lunch break	
14:00	Advanced GNSS	J. RAQUET
15:00	Group photo	
15:10	Coffee break	
15:30	Advanced GNSS	J. RAQUET

Tuesday 28 May 2019

- Adriatico Guest House - Giambiagi Lecture Hall (09:00-15:30)

time	title	presenter
09:00	Impacts of some Solar events on Ionosphere and Earth's magnetic field	C. AMORY-MAZAUDIER
10:00	Coffee break	
10:30	Impacts of some Solar events on Ionosphere and Earth's magnetic field	C. AMORY-MAZAUDIER
12:00	Lunch break	
14:00	Ionospheric effects on GNSS operations	B. ARBESSER-RASTBURG
15:00	Coffee break	

SHORT CONTRIBUTIONS (Alphabetic order of countries), Chair: A. Coster - Giambiagi Lecture Hall (AGH) (15:30-17:45)

time	title	presenter
15:30	Space Weather activities and Initiatives at LAMP (Argentinean Space Weather Laboratory Group)	C. V. LANABERE ET AL
15:50	Research and Development activities carried out in the Telecommunications Laboratory of the National University of Tucumán	Z. SAAVEDRA ET AL
16:10	Research work on GNSS and ionosphere in Bosnia-Herzegovina	R. NATRAS
16:30	Recent results about ionospheric and GNSS research at the University of Rijeka, Croatia	R. FILJAR ET AL
16:50	A GNSS receiver network in Chile	A. M. DIAZ QUEZADA
17:10	Introduction to the International Meridian Circle Program	C. DING
17:30	Ionospheric variations over Sri Lanka; Findings and Challenges	R. JENAN ET AL

Wednesday 29 May 2019

- Adriatico Guest House - Giambiagi Lecture Hall (09:00-15:30)

time	title	presenter
09:00	Introduction to Ionospheric Forecasting	S. M. RADICELLA
10:00	Coffee break	
10:30	Introduction to Ionospheric irregularities and scintillations	K. GROVES
12:00	Lunch break	
14:00	Ionospheric storms and GNSS data	A. COSTER
15:00	Coffee break	

SHORT CONTRIBUTIONS (Alphabetic order of countries), Chair: C. Amory-Mazaudier - Adriatico Guest House - Giambiagi Lecture Hall (15:30-17:10)

time	title	presenter
15:30	Variability of Ionospheric and Ring-Current parameters: A study focused on their regular characteristics	F. POBLET ET AL
15:50	Inter-hourly variability of total electron content during quiet conditions over Nigeria, within the equatorial ionization anomaly region	T. T. AYORINDE
16:10	On ionospheric studies over Ivory-Coast : results during the last decade	O. K. OBROU
16:30	Nigerian GNSS receivers and other ionospheric research infrastructures	B. RABIU
16:50	Ionospheric Variability and Dependence on Solar Activity	J. O. ADENIYI

notitle - Adriatico Guest House - Cafeteria (19:30-21:30)

time	title	presenter
19:30	Dinner	

Thursday 30 May 2019

- Adriatico Guest House - Giambiagi Lecture Hall (09:00-15:30)

time	title	presenter
09:00	Introduction to GNSS reflectometry	J. GARRISON
10:00	Coffee break	
10:30	GNSS for Ionosphere and Space Weather Monitoring	J. MORTON
12:00	Lunch break	
14:00	Turbulent ionosphere parameters inversion : use of SAGAIE to study scintillation in equatorial region	A. GALMICHE
14:20	The potential of COSMIC radio occultation TEC to supplement ground-based GNSS TEC over African region	P. MUNGUFENI
14:40	Scintillation and irregularity characterization using multi-frequency GNSS	A. PAUL
15:00	Coffee break	

SHORT CONTRIBUTIONS (Alphabetic order of countries), Chair: K. Groves - Adriatico Guest House - Giambiagi Lecture Hall (15:30-17:30)

time	title	presenter
15:30	Geomagnetically induction effects related to impulsive Space Weather events at low latitudes	N. KOUASSI
15:50	Variabilities of vertical total electron content and amplitude scintillation of radio waves at different temporal scales over two low latitude SCINDA GPS stations	Y. T. TESFU
16:10	Characterization of coronal mass ejections at type II solar radio burst onset	F. K. DAGNEW ET AL
16:30	Total electron content response to geomagnetic activity over some selected African Equatorial and low latitude stations	R. B. ABDULRAHIM ET AL
16:50	Quantitative comparison of ground based L-band scintillation and in-situ F-region irregularities from Swarm	S. AOL ET AL
17:10	Characterizing the transition from mid to low latitude within the African sector	P. SIBANDA

Friday 31 May 2019

SHORT CONTRIBUTIONS (Alphabetic order of countries), Chair: J. O. Adeniyi - Adriatico Guest House - Giambiagi Lecture Hall (09:00-11:30)

time	title	presenter
09:00	Studies on Solar Wind High-Speed Streams during low solar activity and their potential role in ionospheric forecasting.	C. CANDIDO ET AL
09:20	The role of the phase of QBO in modulating the influence of the SSW on the equatorial ionosphere	S. YADAV ET AL
09:40	Wavy signatures at lower and upper ionospheric altitude simultaneously observed on GNSS and VLF data	A. K. MAURYA ET AL
10:00	Coffee break	
10:30	Atmospheric-Ionospheric coupling as a source of ionospheric variability: Challenges for GNSS operations	S. SRIPATHI ET AL
10:50	Total electron content and Scintillations over Maseno, Kenya during high solar activity year	E. G. OMONDI
11:10	Comparison of IRI-01Cor, IRI-Plas 2015, NeQuick-2 and CAR-NN models with GPS-TEC measurements over Nigeria located within equatorial ionospheric anomaly region.	A. A. AKERELE

- Adriatico Guest House - Giambiagi Lecture Hall (11:30-13:00)

time	title	presenter
11:30	General discussion	
12:30	Handover of certificates and closing	