

Table of contents

Monday 06 October 2025	1
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The International Reference Ionosphere and NeQuick – Improving the Representation of the Real-Time Ionosphere | (smr 4105)

Monday 06 October 2025

Comparisons and Assessments - Budinich Lecture Hall (LB) (14:00-16:15)

Chair: David Russel Themens (University of Birmingham, UK)

time	title	presenter
14:00	Assessment of improvement of the IRI model over Kenya for the modeling of the variability of TEC during the period 2020 – 2024	NAHUM NDUNGE MAUNDU
14:15	Evaluating Long-Term Ionospheric Model Performance at Mid- and High-Latitudes Using foF2 Observations from 1950 – 2022	EMMA-CLAIRE GURNEY
14:30	Evaluating the NeQuick model and IRI-2020 hmF2 model options with Digisonde, COSMIC-2 over South Africa during solar cycle 25	MAHMOUD HASSAN AHMED YASSEN
14:45	Comparing the Ne-Profiles from the IRI2020, NeQuick2 and 3D EDD Models with the COSMIC2 Measurements over Europe	OLA AHMED MUSTAFA ABUELEZZ
15:00	Spatio-Temporal Reconstruction of TEC Maps Using Singular Value Decomposition	FEZA ARIKAN
15:15	Assessment of the accuracy of IRI-2016 model at the equatorial-, low-, mid-, and high-latitudes ionosphere along 30-45oE meridian lines during minimum (2009) and maximum (2013) phases of solar cycle 24	ANDREW OKE-OVIE AKALA
15:30	Coffee break	