

IEEE-GRSS

Frequency Allocations in Remote Sensing Technical Committee (FARS-TC)



Minutes of the 2024 Annual Meeting

Date: July 8, 2024

Location: Athens, Greece

Discussion

The annual meeting begins at 18:00 local time.

Chair Paolo de Matthaëis introduces the Co-chairs Beau Backus, Raúl Díez-García and Mingliang Tao. Secretary Aravind Venkitasubramony was unable to attend IGARS 2024.

The meeting then continues with a brief overview on the participation of FARS Technical Committee (FARS-TC) in various conferences and meetings over the current year: American Meteorological Society (AMS) Annual Meeting 2024, URSI Atlantic Radio Science Meeting (AT-RASC) 2024, Spring meeting of the US National Academy of Science Committee on Radio Frequencies (CORF).

The technical contributions by the the FARS TC to the ITU-R WP-7C, ITU WP-3J and Space Frequency Coordination Group (SFCG-43) meetings are also discussed. The document presenting GRSS views on WRC-23 agenda items relevant to the GRSS community was completed in the last months of 2023 and is available on the FARS TC webpage.

FARS Co-chair Mingliang Tao presents the progress and challenges in the development of the P4006 standard for the assessment of the RFI impact on usability of frequency bands by remote sensing instruments.

Paolo de Matthaëis discusses the comments filed by FARS in response to the FCC NPRM on proposed out-of-band emission limits (OOBE) from 24.25-24.45 GHz 5G systems. FARS recommended an earlier adoption in the U of the emission limits in Table 1 of the ITU Res. 750 (WRC-19) and called for enforcing the stricter limits for base stations and user equipment brought into use after 1 September 2027.

FARS Co-chair Beau Backus discusses some of the relevant WRC-27 agenda items (AI) that are of particular interest to the remote sensing community, AI 1.7, AI 1.8 and AI 1.19, pertaining to the new allocations for IMT and possible primary allocations for passive sensing in the C-band for SST measurements.

FARS Co-Chair Raul De Garcia gives an update on one of the pilot initiative projects funded by IEEE GRSS, PocketQube, which is a payload developed by the Universitat Politècnica de Catalunya (UPC) to fly on a drone for detecting OOBE RFI from 5G transmissions in the 24.25-24.45 GHz band. One actual PocketQube was also displayed at the meeting.

Joel Johnson gives a brief overview of the research initiatives of the National Science Foundation (NSF), in particular the Spectrum Innovation Initiative (SII) on the active-passive spectrum sharing.

The meeting is adjourned shortly at 19:15.