Digital Intermediate Frequency Interoperability (DIFI) Consortium

MILCOM 2022 Workshop

Digital Transformation of SATCOM

Call for Posters & Demos

28 November – 2 December 2022 – Rockville, MD

Winning Poster Receives a Prize!

The DIFI Consortium invites members, researchers, and developers to present posters/demonstrations at the Digital Transformation of SATCOM special workshop during MILCOM 2022. Posters/demonstrations should offer technologies, applications, predictions, and viewpoints in the rapidly changing landscape of satellite technology. Demonstrations showing DIFI interoperability are of the highest interest.

IMPORTANT DATES

Poster Session: TBD Monday, November 28, 2022 @ TBD. – Room: TBD

Abstract Submission for Poster and/or Demo Deadline*:	August 19, 2022
Selections Notification:	September 2, 2022
Final Camera-ready Poster PDFs :	November 4, 2022

*Please submit final posters as early as possible as only a limited number of posters & demos can be presented based on space.

Poster Guidelines: Poster Guidelines

The DIFI Consortium poster committee will review, rate, and select submissions based on the integration and interoperability of Digital IF (DIFI) and/or virtualization for SATCOM applications, novelty, and utility for military applications.

Visit the DIFI Consortium website for additional information about the event and the benefits of presenting a poster/demonstration. Posters will be hosted on www.dificonsortium.org and displayed at the MILCOM 2022. The winner will be featured at www.dificonsortium.org.

The Digital Transformation of SATCOM Special Workshop

Driven by the rapidly changing space segment, satellite ground networks are in an evolutionary change called the digital transformation. The digital transformation will enable satellite communications (SATCOM) to realize new benefits in speed of innovation, scale, and cost. The digital transformation comprises two widely accepted and adopted components in the larger telecommunications industry: digitization and virtualization. Digitization introduces a new digital intermediate frequency (IF) interface between analog-digital conversions and signal processing. Virtualization brings portability and extensibility to signal processing applications. This half-day workshop includes a poster session and technology demonstrations where participants will share applications that use interoperable digital IF and virtualization for SATCOM. The workshop will conclude with a panel session to discuss the current DIFI protocol issues and the future role of DIFI in the digital transformation of SATCOM.