Jonathan
Fisher
Fifth Gait Technologies, Inc.
Zachary D. Robinson, Fifth Gait Technologies, Inc.
James H. Adams Jr., Fifth Gait Technologies, Inc.
Paul R. Boberg, Fifth Gait Technologies, Inc.
Jonathan Z. Fisher, Fifth Gait Technologies, Inc.
Jeren Suzuki1, Fifth Gait Technologies, Inc.
Wally D. Westlake, Fifth Gait Technologies, Inc.
Joseph H. Nonnast, Fifth Gait Technologies, Inc.
Haley M. H. Cole, Fifth Gait Technologies, Inc.
Adam Smith, Fifth Gait Technologies, Inc.
Don F. Smart, SSSRC Inc.
Margaret A. Shea, SSSRC Inc.
David Hope, Fifth Gait Technologies, Inc.
Robert Reed, Institute for Space and Defense Electronics Vanderbilt University
Brian Sierawski, Institute for Space and Defense Electronics Vanderbilt University
Vladimir Kolobov, CFD Research Corporation
Ashok Ramon, CFD Research Corporation
Robert Arslanbekov, CFD Research Corporation
Carter Grimmeisen, CFD Research Corporation
Alec Engell, NextGen Federal Systems
Poster
The Space Ionizing Radiation Environment and Effects (SIRE2) toolkit was designed to provide state-of-the-art environment models for satellites and arbitrary trajectories in space. SIRE2 also has single event effects modeling capabilities that utilize the SIRE2 environments. SIRE2 is free-to-use, ITAR-restricted toolkit that can be used as a standalone application on secure computer systems.

In recent years, Fifth Gait Technologies has expanded the SIRE2 toolkit with premium capabilities, leading to the creation of the SIRE2 family of tools. The SIRE2 advanced climatology (SIRE2-AC) expands the SIRE2 environment modeling to the inner Solar System. SIRE2-Real provide historical solar energetic particle (SEP) data and geomagnetic indices to provide historical environments for anomaly assessment. SIRE2-Now include real-time, nowcasting, and forecasting environments in the SIRE2 environment workflow. At the conference, we plan to showcase the entire SIRE2 family of tools.

# Poster category:

Poster category
Geospace/Magnetosphere Research and Applications
Meeting homepage
Space Weather Workshop 2025
Download to PDF