

STINT 2022

In association with



Fundamental & Applied
October 12-14
Online Edition

Co-located with
IEEE WiSEE 2022

Keynote speakers



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Sponsors:



Steering Committee:

Juan A. Fraire, Inria/Conicet, SaarUni, ARG
Marius Feldmann, D3TN, GER
Edward J. Birrane, APL, USA
Scott C. Burleigh, JPL, USA

2022

Space-Terrestrial Internetworking **STINT Workshop**

Call for Papers

Steering Committee:

Juan A. Fraire (Inria/Conicet), Marius Feldmann (TUD), Scott Burleigh (JPL), Edward J. Birrane (APL).

Workshop Scope and Overview

The Space-Terrestrial Internetworking (STINT) Workshops addresses emerging technical topics related to data exchange between and amongst space-based and terrestrial network nodes. Such communications systems accept space assets as first-class nodes performing common network functions including stateful packet inspection, routing, management, and security.

Bringing together some of the most influential members of the field of data transfer between space and terrestrial nodes via delay-tolerant networks with time-varying topologies, STINT seeks contributions with a clear focus on packetized, multi-path, and multi-hop data exchange between and among space-based and terrestrial (plus planetary) network nodes.

Full research papers are solicited for the protocols, applications, and operational concepts required to make these internetworks both technically feasible and operationally deployable. Specifically, STINT welcomes researchers and practitioners in the following areas.

- Modeling and Dynamics of Mobile Space-Based for Optical\RF Networks
- Autonomous Configuration and Control of Network Nodes
- Protocols, Applications, and Concepts for Network Management
- Adaptive Networking Technologies (e.g., SDN, ICN)
- Delay and Disruption Tolerant Networking
- Store-and-Forward Routing, Congestion Control, and Topological Synchronization
- Deep Space Networks and the Solar System Internet
- End-to-end Security Services Across an Internetworking Overlay
- Commercial/Scientific/Government Mission Concepts Enabled by Internetworks
- Optical Network Availability, Resilience and Survivability
- Optical Network Using Photonic Integrated Circuits
- Optical Time and Frequency Transfer

Format and Submission Instructions

STINT follows the guidelines for paper submissions from [WiSEE 2022](#):

- Full papers (up to 6 pages) with a verbal presentation are considered.
- Papers must be written in English and prepared in Portable Document Format (PDF).
- Papers must be formatted according to the standard IEEE two-column format with single-spaced, ten-point font text, as given in the IEEE templates.
- All figures, tables, references etc. are included in the page limit.
- All fonts must be embedded into the PDF file.
- All papers must be submitted online at <https://attend.ieee.org/wisee-2022/submission-guide/>