

WISEE 2021

The 9th Annual IEEE International Conference on
Wireless for Space and Extreme Environments

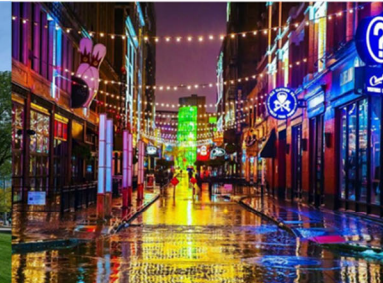
October 12-14, 2021 | Cleveland, OH (USA)



Cleveland



LONG LIVE ROCK



Organizing Committee

General Chair	Max Scardelletti, NASA GRC
Technical Program Co-Chairs	James Nessel, NASA GRC Rainee Simons, NASA GRC
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Webmaster	Michael Zemba, NASA GRC
Secretary	Jennifer Jordan, NASA GRC
Treasurer	Charles Rubenstein, Pratt Inst.

Topics of Interest

- Artificial intelligence and deep learning in space
- Wireless sensors, systems, and networks
- Delay and disruption tolerant networks
- Network architectures, middleware data management
- Big data processing and data fusion techniques
- Wireless privacy, security and routing techniques
- Localization, detection, classification & tracking
- Antenna design and processing
- Integrated vehicle systems and robotics
- RFID devices and systems
- Propagation modeling and channel description
- Optical communication systems
- Availability, certification, and spaceflight qualification for wireless devices and systems
- Multi-carrier systems, spread spectrum techniques, cognitive radio networks, emerging technologies
- High speed, low latency, multi-stream data techniques (full-duplex, LTE, MIMO)
- Space cyber security
- Harsh environment device/circuit fabrication
- Communications through plasma

Submission Formats

Full papers (4-6 pages 2-col IEEE Style)
Posters (1 page 1-col IEEE Style)
Presentation only (1 page Workshop Specific).
Full papers that are presented by registered authors at the conference will be sent to IEEE Xplore for publications.

Steering Committee:

Ali Abedi, Univ of Maine
Amir Aghdam, Concordia Univ
Charles Rubenstein, Pratt Inst.
Omar Torres, NASA LaRC
Reza Zekavat, Worcester Poly Inst.

Workshops

- Passive Wireless Sensor Technology (PWST)
- Space-Terrestrial Internetworking (STINT)
- Space Solar Power (SSP)
- Operational Testing for Extreme Environments
- Supplying Power in Extreme Environments

WiSEE 2021

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CSA, ESA, and JAXA

Important Deadlines:

Submission: July 1, 2021
Acceptance: Aug 15, 2021
Final papers: Sep 15, 2021
Early registration ends:
Sep 15, 2021

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attend.ieee.org/wisee-2021