2019 Passive Wireless Sensor Technology(PWST) Workshop Announcement

You're Invited to the next (9th) PWST Workshop, part of the 2019 Wireless for Space and Extreme Environments Conference (WiSEE2019) at the University of Ottawa Conference Center **in Ottawa, Canada on Oct 16-18**. The **2019 PWST Workshop Call for Presentations** is on the WiSEE2019 website under the "Workshops" tab (https://attend.ieee.org/wisee-2019/program/workshops/). Below are the targeted sessions for the 2019 workshop, but your input is welcome. The website has all the past PWST Workshop Presentations on as well!

Please contact any of us PWST co-chairs with your proposed topic. Need an Abstract/Bio/Photo before July 1st.

For those unfamiliar with the PWST Workshops, our **goal is to foster relationships** that move the various technologies along and provide better opportunities for Users to find better solutions to their needs. In this way, we can grow maturity and availability of PWST sensor systems for various NASA programs, while benefitting other government and industry organizations at the same time. A printed program with one page for each Technology User and Developer presenter provides a tool for making connections including the one-on-one sessions between users and developers held on the third day.

Make plans to attend now and let us know of your desire to present!

Your 2019 PWST Workshop Co-Chairs

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2019 PWST Preliminary Session Topics:

User Presentations (only 16)	Session Topics
Medical/Astronaut	Ground-based, Aerospace, Spaceflight human monitoring applications for PWS
EVA & Suit Wearable Sensors	Astronaut EVA Suit, Wearable Civilian, Military and Emergency Response Clothing
Propulsion Systems - PIWG	Jet Engine and Rocket Engine Monitoring – ground & flight test PWS applications
Aircraft/Helicopter	Commercial and Military Aircraft Needs for PWS
Spacecraft Sensors - Lunar Msns	Lunar Lander, Surface Systems and Gateway missions
Unmanned Vehicles	Probes, Ground and Aerial Drone functionality using PWS interrogators
Flight and Ground Test	Non-critical measurements of Spacecraft, Launch Vehicles, Lunar/Mars
MISC Industry/IOT	Energy, Oil & Gas, Agriculture, etc.
Technology Presentations(24)	**Session Topics**
Optical/EM backscatter	Visible, LiFi and IR-based data from passive sensors/materials
WAIC Systems	Systems R&D and Testing for WAIC-band PWST
Additive Manufacturing/3D Print	Progress in Printing PWST and Embedded Sensors/Antennas
Flexible Sensors &Antennas	R&D and COTS sensors for wearable, inflatable/deployable structures
Passive SAW/BAW/MEMS	New Breakthrough Technologies and Products
Hybrid Active-Passive	Integrating Passive Wireless Sensor Interrogation with Active Node Networks
Thru-wall Comm & Power	Magnetic Field, Ultrasonic, Acoustic Emission
MISC/Off-the-Wall	Electric Field Imaging, X-ray Communications, Scavenge Power, Metamaterials