Author:

Jonathan Allison

Thermal Lead & Deputy PM Spacecraft Component Technology Branch

Air Force Research Lab, Space Vehicles Directorate

Title: An Introduction to Oscillating Heat Pipes

Abstract: This is the keynote address to the OHP session of TFAWS in 2021. The address will provide introductory background on OHPs including: a perspective on the history of both spacecraft thermal control and the history of OHPs, how OHPs fit into a taxonomy of heat pipes, definition of what an OHP physically is, OHP thermophysics, and open questions in the academic study of OHPs.