

2020—2021 SPACE PHYSICS SEMINAR SERIES**Novel tools for global study of the Earth's
magnetosphere and the 2020 baseball season**

A number of novel tools are currently under development at BU to study the magnetosphere as a global system. The talk will provide a series of vignettes highlighting solar wind-magnetosphere coupling processes as well as new tools to advance our understanding and parallels with the Major League Baseball season. The tour will cover a description of soft X-ray emissions from the local galaxy and magnetosphere as well as their employment to image magnetic boundaries such as the magnetopause and cusp. The use of this technique in a number of exciting upcoming NASA and ESA missions will be reviewed. Also covered will be a new method to measure energetic particles, expanding a detectable energy range by orders of magnitude. The new tool is being developed at BU to study the energization of particles throughout the heliosphere.

**Thursday, October 29th**

4:00-5:00 p.m.

See website for Zoom information

Brian Walsh

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