

## **Solar System Dust, Meteoroids and Debris: Predicting and Mitigating the Effects**

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Spacecraft are exposed to impacts by dust, meteoroids and space debris. This presentation will give an overview of the different populations in different parts of the Solar System (e.g. space debris around Earth, interplanetary dust population). Space weather influences on those populations, and the range of impact effects produced when these particles hit the spacecraft will also be discussed. Finally, some engineering approaches to mitigate the effects of these impacts are reviewed.