



## **Dr. Kamen Kozarev**

Postdoctoral Research Fellow, Solar and Space Physics, Smithsonian Astrophysical Observatory

His research interests lie in the fields of solar and space physics, and space weather. His research focuses on how charged particles from the Sun can be accelerated close to the Sun by coronal mass ejections and interplanetary traveling shocks, and how those particles propagate through the solar system.

His work involves numerical modeling of energetic protons' transport in the solar corona and inner heliosphere, and predicting the radiation hazard they might pose to astronauts and electronics outside of the Earth's magnetosphere.

Additionally, he studies extreme ultraviolet observations of shocks in the solar corona during violent eruptions. Kamen is a graduate student representative to the Solar, Heliospheric, and Interplanetary Environment (SHINE) community of researchers in the USA. He is a member of the American and European Geophysical Unions.