

## عنوان مقاله:

A Survey on Space Debris Detection, Tracking and Removal

## محل انتشار:

نوزدهمین کنفرانس بین المللی انجمن هوافضای ایران (سال: 1400)

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## نویسندگان:

Jafar Roshanian - Professor, Department of Aerospace Engineering, K.N.Toosi University of Technology

Zahra Khateeb - Graduate Student, Department of Aerospace Engineering, K.N.Toosi University of Technology

## خلاصه مقاله:

The growth of population of space debris has been a concern since the first launch in to the space. So far, many theories and actions have been developed to mitigate the number of debris in space. This paper goes through decades of studies on the subject of space debris and the measures that international organizations have taken to avoid collisions. The history of tracking and detecting space objects has been presented along with a summary of proposed removal methods. A summary of generation of debris from the beginning has been given in Introduction section, followed by history of tracking and different methods of that in section ۲. Even though capturing debris has been considered as removing in many researches, other scholars have separated these two. In this paper, in respect to that idea, section ۳ is allocated to Capturing methods and section ۴ discusses different approaches of removal. The Conclusion of this study is presented in section ۵.

## کلمات کلیدی:

"space debris", "debris removal", "collision avoidance", "space pollution", "debris tracking"

## لینک ثابت مقاله در پایگاه سیویلیکا:

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