



PANEL 4:

DEBRIS AND SERVICING: DANGERS AND OPPORTUNITIES

TIME & DATE: 4.00 PM, Thursday, 15th June, 2017

VENUE: etc. Venues, Fenchurch Street, 8 Fenchurch Place, London EC3M 4PB

Summary

Lower cost access to space and the mega-constellations will see a vast flotilla of new satellites joining the existing in-orbit population of active satellites and space debris. For sixty years, we have launched space objects without much regard for the environment. We now stand at the dawn of the New Space era where sustainability of the space environment is a significant concern.

What can we do to increase our knowledge of the Space Environment? How can regulation be applied to help sustainability? What design guidelines should be followed to ensure we pose as little risk as possible to other space users? Will satellite servicing and life extension programmes give the industry new capabilities to deal with the problem?

Key Topics

- What is the space environment?
- Are our models of the space environment accurate?
- Changes in Space Debris risk
- Space environment policing and traffic control
- Mitigating risk; use of active debris removal and satellite life extension
- Case studies on two leading servicing/debris removal programmes

Key Note

Moriba K Jah, Cockrell School of Engineering

Moderator

David Wade, Atrium Underwriters

Speakers

Tim Fuller, Seradata

Daniel Campbell, Effective Space

Richard Crowther, UK Space Agency

Joe Anderson, Orbital ATK

Russell Sawyer, Willis TW