



**WORLD SPACE  
RISK FORUM**

Thursday, 15<sup>th</sup> June 2017, London  
**THE WORLD'S LEADING SPACE RISKS CONFERENCE**

In association with:

**Seradata** 

## **PANEL 1:**

# **NEW ROCKETS ON THE BLOCK!**

**DATE:** Thursday, 15<sup>th</sup> June, 2017, 9:35am to 11:00am

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



Assure Space

An AmTrust Financial Company

**PANEL SPONSOR:**

## **Summary**

It is an exciting time for launcher development. The relative newcomer, SpaceX, is driving the heavy-lift launcher market with a combination of low prices and ground breaking reusable technology. However, SpaceX now faces a competitive reaction with new expendable designs being introduced by Arianespace, MHI and Khronichev/ILS, and new reusable designs by ULA, and by the new market entrant Blue Origin.

Meanwhile, the light and medium lift market is also in flux. Small sat operators are becoming increasingly frustrated at the lack of affordable rides. The good news is that more choice will soon be available as venerable types such as the Soyuz are joined by new rockets from start-ups like Virgin Orbit, Rocket Lab etc., as well as by new types from the more traditional launch providers.

Our panel will demonstrate the vibrancy of the market and will provide a great forum to discuss the new vehicles and issues of the day:

## **Key Topics**

- What are these new rockets and what are the prospects for their success?
- What are their new design philosophies and how will good reliability be maintained?
- How large is the future launch market and how will providers compete?
- Are launch providers chasing the wrong orbit with the rise of LEO?
- Will protectionism and geo-political issues continue to stymie the hopes of India and China?
- How will launch log-jams be avoided and will launch site congestion become a factor?
- Will insurers want to insure new launch technology and what do launch providers want from the Space insurance market?

## **Moderator**

David Todd, **Seradata**

## **Speakers**

Michel Doubovick, **Arianespace**

Jonathan Hofeller, **SpaceX**

Brian Morse, **Virgin Orbit**

Ariane Cornell, **Blue Origin**

Jim Kramer, **ILS**

Morten Pahle, **ViVet Limited**

Mark Peller, **ULA**