

Continuing Professional Development Certificate

New space and mega constellations - emerging technologies in the satellite sector

Date: Wednesday 17 October 2018 **Time:** 1.15pm - 2.00pm

Speaker: Meidad Pariente, Founder & CTO, Sky and Space Global (UK)

In this IIL Aviation lecture Meidad talked about the new space revolution, and the era of mega constellations. He explained the exponential growth in number of satellites expected to be launched, and also the challenges it presents. In the past couple of years, we have witnessed an exponential growth of number of satellites planned to be launched, most of those satellites will be launched as part of constellations and mega constellations. At the same time, we see private equity funds investing in new space ventures aiming to provide global services. What is “new space”? How does it differ from the traditional space industry? Why constellations and why now? What are the challenges of operating a large fleet of satellites from regulation, safety and security point of view?

By the end of this lecture members would have gained an insight into:

- What is new space
- Nanosatellites in a nutshell
- Mega-constellation – Why now?
- Regulation challenges
- Cyber and hostile takeover
- GEO-LEO-Future



This lecture or podcast can be included as part of your CPD requirement should you consider it relevant to your professional development needs. It is recommended that you keep any evidence of the CPD activity you have completed and upload copies to the recording tool as the CII may ask to see this if your record is selected for review.