

IAF SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM (B2)
Advanced Satellite Services (4)

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HAPS FOR TELECOMMUNICATIONS SERVICES AND APPLICATIONS

Abstract

As the market for satellite services has increased, so has competition from a multitude of providers from small satellites to drones and everything in between. To remain economically competitive, all satellite operators will need to keep pace with innovations on all fronts and pay close attention to economic trends that will affect their established revenue streams. One of the lines of study within the framework of innovation are the new infrastructures and in particular HAPS. This kind of vehicles represents an interesting complement to the infrastructures with conventional GEO satellites, so that the operator can offer the best architecture possible according to the application required by the customer. In this way, Hispasat would like to share his vision on the possible use of HAPS for different applications and scenarios taking into account the market trends. It will also analyze the key features of these devices as well as their main constraints and risks.