

## Biography Presenter



Presentation Title	<b>Space Lidar Missions: Past, Present and Future</b>
Name Presenter	<b>Arnaud HELIERE</b>
Nationality Presenter	<b>French</b>
Affiliation Presenter and Location (City, Country)	<b>European Space Agency – ESTEC  Noordwijk, The Netherlands</b>
Present Position	<b>Head of optical instruments section, Earth Observation Future Systems department</b>
Short Biography	<p><b>Arnaud Heliere is working at the European Space Agency in the Earth Observation Directorate as Head of the optical instruments section and is in charge of the studies of new optical instrument concepts and instrument pre-developments for the future Earth Observation missions. He has been deeply involved in the development of the EarthCARE satellite for 12 years, first as Principal Engineer for the development of the Atmospheric LIDar (ATLID), then as EarthCARE Payload Manager. While joining ESA in 2001, he was studying future lidar missions and laser based instruments, as water vapour and greenhouse gases DIAL, backscatter lidars, altimeters. He worked before for Airbus Defence and Space, where he was involved in the development of optical instruments for Earth Observation missions as ENVISAT, SPOT and the wind lidar AEOLUS.</b></p>