

## **Biography Presenter**

Presentation Title: LIDAR Design I - Tx Implementation Basics

LIDAR Design III - Tx Implementation Alternatives

Name: Dr. Markus Bode

Nationality: German

Affiliation: Airbus Defence and Space GmbH  
Space Systems / Earth Observation, Navigation & Science  
Taufkirchen, Germany

Present Position: Product Line Manager LIDAR Instruments

### Short Biography:

Dr. Markus Bode graduated from the University of Hannover (Germany) in 1999 with a PhD in Physics and has worked in the design, development, and application of ultra-stable solid-state lasers and nonlinear optics for over 20 years. In particular, he has worked as Systems Engineer, Subcontractor Manager and Project Manager in the application of solid-state laser technologies in optical instruments for airborne and space borne missions in Earth observation, fundamental sciences, and optical communication on behalf of the European Space Agency (ESA), the German Space Administration (DLR) and renowned European prime contractors.

He joined Airbus Defence and Space in 2006, starting as the Optical System Engineer and Subcontractor Manager for the Optical Metrology System (OMS) of the LISA Technology Package (LTP) on LISA Pathfinder (LPF). He acted as Head of the System Engineering and Technology Department for Optical Instruments in Germany for several years and was the Project Manager of the Payload development for the Franco-German "Methane Remote Sensing LIDAR Mission - MERLIN" from the initial feasibility study to the implementation phase.