

One-day meeting ESA-DLR on Technology Activities for Spaceborne DIAL Instruments

Agenda

Location: Estec, Room= Fj119

Date 18 November, Time= 09:00 – 17:00

Welcome and Introduction/Presentations (E. Armandillo, ESA-TEC)

Technical Presentations:

German National Activities (9:15-12:30)

1. Wales Airborne Demonstrator, Fix (DLR)
2. OPO Laser , Mahnke (DLR)
3. Ti:Sapphire Laser and new Garnet lasers, Eichler (TU Berlin)
4. Raman Laser, Eichler (TU Berlin)

-----coffee break-----

5. Lidar Reference System based on a High Power Laser , Wagner (U. Hohenheim)
6. Mixed Garnet @ 936 nm, Hoffmann (ILT Aachen)
7. Cavity Control for high power lasers, Kummer (Astrium-D)
8. Generic SWIR sensor GENSIS, Nothaft (AIM-Heilbronn)

-----lunch break-----

ESA Technology Activities (13:30- 16:45)

9. ESA System Studies:
 - WALES Phase A Results, Bezy, ESA-EOP
 - Green House Gas Monitoring Study Results, Heliere, ESA-EOP
10. ESA TRP Lidar Activities Overview, E. Armandillo (ESA-TEC)
11. DIAL laser activities for Wales, Zayer, ESA-TEC
12. Garnet Laser activities for Wales, Murphy, ESA-TEC
13. Pulsed Laser Source for NIR, Jost, ESA-TEC

-----coffee break-----

14. NIR Detectors + L3CCD for Lidar, Karafolas/Zayer, ESA-TEC
15. Frequency Detection Units for DIAL, Murphy, ESA-TEC
16. Earth Care Predevelopment Activities, Bezy, ESA-EOP

-----end-of-presentations-----

Conclusions and Wrap-up