

BRITESPACE	Final Program (3/11/14)
Workshop on “Laser Sources for LIDAR Applications”	
Date	November 25-26, 2014
Venue	Deutsches Zentrum für Luft- und Raumfahrt (DLR) Oberpfaffenhofen, Münchner Straße 20, 82234 Weßling, Germany

Tuesday November 25		
Time	Duration	Topic
09:00	10 min	Welcome at DLR (Prof. Markus Rapp, Director of DLR Institute of Atmospheric Physics)
09:10	10 min	Welcome to the workshop (Ignacio Esquivias, UPM)
09:20	90 min	Session 1: (Chairman: Ignacio Esquivias, UPM)
	30 min	<i>High power fiber lasers for Doppler wind lidars: requirements and experimental performances</i> (Jean Pierre Cariou, LEOSPHERE)
	30 min	<i>Diode based coherent LIDARs for wind sensing</i> (Christian Pedersen, DTU Fotonik)
	30 min	<i>Potential of compact light sources based on hybrid integration of tailored diode lasers and electronics for LIDAR applications</i> (Bernd Sumpf, FBH)
10:50	30 min	Coffee break
11:20	80 min	Session 2: (Chairman: Michel Krakowski, III-V Lab)
	30 min	<i>BRITESPACE: High Brightness Semiconductor Laser Sources for Space Applications in Earth Observation</i> (Ignacio Esquivias, UPM)
	30 min	<i>High power pulsed fiber laser for spaceborne DIAL lidar and system modelling</i> (Claudine Besson, ONERA)
	20 min	<i>Frequency Reference Stabilized Laser System for CO₂ Monitoring</i> (Renaud Matthey, Université de Neuchâtel)
12:40	80 min	Lunch break
14:00	100 min	Session 3: (Chairman: Martin Traub, Fraunhofer ILT)
	30 min	<i>Optical parametric devices for airborne and spaceborne lidar application.</i> (Andreas Fix, DLR)
	20 min	<i>Robust design and assembly technology of a 1645 nm OPO for French-German satellite mission MERLIN</i> (Florian Elsen, Fraunhofer ILT)
	30 min	<i>Range-resolved atmospheric CO₂ measurement using coherent DIAL at 2 μm</i> (Fabien Gibert, LMD-IPSL)
	20 min	<i>Lidar activity at ENEA Frascati</i> (Luca Fiorani, ENEA)
15:40	30 min	Coffee break
16:10	70 min	Session 4: (Chairman: John Rarity, University of Bristol)
	30 min	<i>High Peak Power Solid State Laser Sources for LIDAR Applications.</i> (Hans-Dieter Hoffmann, Fraunhofer ILT)
	20 min	<i>Single-Frequency Pulsed Solid-State Lasers for Lidar Applications</i> (Christoph Bollig, Abacus Laser)
	20 min	<i>Photonic devices and components for airborne and spaceborne lidar systems/Case study: Development of an innovative DPSS laser system (ESA QOMA project)</i> (George Avdikos, Raymetrics)
20:00		Workshop dinner

Wednesday November 26		
Time	Duration	Topic
09:30	70 min	Session 5: (Chairman: Juan Barbero, ATN)
	30 min	<i>BELA Laser - qualifying a reliable laser source for planetary missions</i> (Reinold Kallenbach, MPI / Kai Weidlich, Zeiss Cassidian Optronics)
	20 min	<i>Laser ranging interferometer for future gravity missions – GRACE-FO and beyond</i> (Kolja Nicklaus, SpaceTech GmbH)
	20 min	<i>Laser power requirements for space-borne remote sensing of CO2</i> (Xiao Ai, University of Bristol)
10:40	30 min	<i>Coffee break</i>
11:10	90 min	Session 6: (Chairman: Gerhard Ehret, DLR)
	30 min	<i>Laser source specification for applications in ground airborne and space LIDARs</i> (Pierre Flamant, LMD-IPLS)
	30 min	<i>Direct detection UV LIDARs for avionics</i> (Nikolaus Schmitt, EADS-IW)
	30 min	<i>Airborne LIDAR for flight parameters measurement</i> (Patrick Feneyrou, TRT)
12:40	15 min	Concluding remarks (Ignacio Esquivias, UPM)
12:55	65 min	<i>Lunch break</i>
14:00	60 min	Lab tour

Invited talks: 30 min (25 min presentation + 5 min questions)

Contributed talks: 20 min (17 min presentation + 3 min questions)