

Intra Satellite Fibre Optic Links Workshop Agenda - Thursday – 10th December

10:00 Welcome and Introduction

Space Needs

10:20 C65Space Hardened Design Platform – ESA (Laurent Hili)

10:40 Fibre Optics: Trends in Spacecraft Avionics – ESA (Gianluca Furano)

11:00 Next Generation of High Throughput Telecom Satellite Payloads Using Optical Interconnects – Airbus (Javad Anzalchi)

11:20 Digital Fibre Optic Link Applications and Challenges: A System Integrator Perspective - TAS (Norbert Venet)

11:40 Coffee and Panel Discussion

12:00 Space Fibre – Dundee University (Steve Parkes)

12:20 Panel Discussion - Draft SpaceFibre Standard (Physical Layer) – Dundee University (Steve Parkes)

13:00 Lunch

Technology - Transceivers

14:00 Fiber-Optic Transceivers for Space - VTT (Mikko Karpinnen)

14:15 Optoelectronic Solution for Harsh Environments – Radiall, D-lightsys (Vincent Foucal)

14:30 Active Optical Cable (AOC) for Satellite Harness Substitution - DASPhotonics (Olga Navasquillo)

14:45 Fiber Optic Transceiver Status - Ultracomm (Chuck Tabbert)

15:00 Ruggedized Photonic Components for Aerospace Applications - Glenair (Davinder Basuita)

Technology - Connectors

15:15 Fibre Optic Cable Assemblies for Space Applications - T&GElektro (Hendrik Samuelsson)

15:30 Intra-satellite Fiber Optic Links Workshop: Diamond Activities - Diamond (Frederic Taugwalder)

15:45 EU FP7 MERLIN Research Project – VTT (Mikko Karppinen)

16:00 Lessons Learnt from Fibre Optics in Aircraft – Andrew Lee (AVoptics Ltd)

16:15 Coffee

16:30 Panel Discussion

17:30 End of Day 1

Friday - 11th December

09:00 Photonics Packaging for Chip to Chip Communications - IMEC (Geert Van Steenberge)

09:20 Photonically wired spacecraft panels – OHB (Andreas Hurni)

09:40 Draka Optical Fibres – Prysmian Group (Gerard Kuyt)

Standardisation and Qualification of Photonic Components

10:20 ESA Photonic Components Qualification Activities – ESA (Charlotte Bringer)

10:40 Deploying VCSELs for Space Applications: Reliability and Procurement Guide – ESA (Sarah Wittig)

11:00 Procurement of Photonic Components and ESCC – ESA (Charlotte Bringer)

10:20 Coffee

11:40 Panel Discussion Space Fibre Physical Layer – (Steve Parkes, Martin Suess)

13:30 End of Workshop