

Mon 27th September 2021 London		Tues 28th September 2021 London		Weds 29th September 2021 London		Thurs 30 <sup>th</sup> September 2021 London		Friday 1 <sup>st</sup> October 2021 London	
	MODULE 1 SATCOMS ESSENTIALS		MODULE 2: LINK ENGINEERING		MODULE 3: ANTENNAS AND SPACECRAFT ENGINEERING		MODULE 4: NETWORKS AND SYSTEM DESIGN		MODULE 5: NGSO & WORKSHOP EXERCISES
08:30	Teams open	08:45	Teams open	08:45	Teams open	08:45	Teams open	08:45	Teams open
Chair: Dave Davis, <i>ST Engineering iDirect</i>		Chair: Tim Tozer, <i>University of York</i>		Chair: David Dean, <i>DSTL</i>		Chair: David Bookham, <i>Consultant Engineer</i>		Chair: David Bookham, <i>Consultant Engineer</i>	
09:00	Session 1 Chairman's welcome  Principles and background of Satellite communications <i>Dave Davis</i> <i>ST Engineering iDirect</i>	09:00	Session 5 Link Budget Primer <i>Tim Tozer</i> <i>University of York</i>	09:00	Session 9a Antennas <i>Tim Waterfield</i> <i>Airbus DS</i>	09:00	Session 13 Earth Station RF Engineering <i>David Bookham</i> <i>Consultant Engineer</i>	09:00	Session 17 Non- Geostationary Satellite Systems <i>Ben Moores</i> <i>OneWeb</i>
				10:30	Refreshment break				
				11:00	Session 9b Phased Array Antennas <i>Tim Waterfield</i> <i>Airbus DS</i>				
10:00	Refreshment break	10:30	Refreshment break	12:00	Refreshment break	10:00	Refreshment break	10:00	Refreshment break
10:30	Session 2 Commercial Aspects of Satcoms <i>David Jowsey</i> <i>BT Media &amp; Broadcast</i>	11:00	Session 6 Modulation and Coding for Satellite Systems <i>Alister Burr</i> <i>University of York</i>	12:15	Session 10 Satcom on the Move (SOTM) <i>Kevin Shaw</i> <i>Joint Forces Command, MoD</i>	10:15	Session 14 TCP/IP and Satellite <i>Gorry Fairhurst</i> <i>University of Aberdeen</i>	10:15	Session 18 Projects: Earth station design <i>Project leader: David Bookham,</i> <i>Consultant Engineer</i> Project 1 Room 1  Payload design <i>Project leader: Daryl Jones, Airbus</i> <i>Defence and Space</i> Project 2 Room 2
12:00	Lunch	12:30	Lunch	13:15	Lunch	11:15	Refreshment break	12:00	Lunch
13:00	Session 3 Milsatcoms <i>Dave Davis, Technical Director</i> <i>- Global Service Provider</i> <i>Group,</i> <i>St Engineering iDirect</i>	13:30	Session 7 Satellite System Planning - Power Link Budgets <i>Barry Evans</i> <i>University of Surrey</i>	14:15	Session 11 Spacecraft Engineering & Operations <i>Max Petrozzi Ilstad</i> <i>Thales Alenia Space</i>	11:45	Session 15 Propagation <i>David Siddle</i> <i>University of Leicester</i>	13:00	PROJECT WORK
14:30	Refreshment break	15:00	Refreshment break	15:15	Refreshment break	12:45	Lunch	15:00	Refreshment break
15:00	Session 4 Emerging Technologies – Satellite-5G Future Vision <i>Paul Febvre, Satellite</i> <i>Applications Catapult</i>	15:30	Session 8 QoS Design Using Link Budgets <i>Barry Evans</i> <i>University of Surrey</i>	15:45	Session 12 Payload Engineering <i>Daryl Jones</i> <i>Airbus DS</i>	13:45	Session 16 Satellite Access Techniques <i>Paul Mitchell</i> <i>University of York</i>	15:15	Session 19 Project Presentations
								16:00	
16:00	Close of Day 1	17:00	Close of Day 2	16:45	Close of Day 3	14:45	Close of Day 4	16:15	Event close