

Wed, 20 September 2023 ONLINE		Thu, 21 September 2023 ONLINE		Fri, 22 September 2023 ONLINE		Mon, 25 September 2023 ONLINE		Tue 26 September 2023 ONLINE		Thu 28 September 2023 HYBRID	
MODULE 1 APPLICATIONS		MODULE 2: LINK ENGINEERING		MODULE 3: ACCESS, NETWORKS AND ANTENNA		MODULE 4: ANTENNAS AND PROPAGATION		MODULE 5: REGULATIONS & SPECTRUM		MODULE 6: WORKSHOP EXERCISES	
08:45	Teams open	08:55	Teams open	08:55	Teams open	08:55	Teams open	08:55	Teams open	08:55	
Chair: Dave Davis, <i>ST Engineering iDirect</i>		Chair: David Dean, <i>DSTL</i>		Chair: David Dean, <i>DSTL</i>		Chair: Farbod Kayhan <i>e2E Group</i>		Chair: TBC		Chair: Daryl Jones, Airbus <i>Defence and Space</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 9 TCP/IP and Satellite <i>Gorry Fairhurst</i> <i>University of Aberdeen</i>	09:00	Session 13 Propagation <i>Ifiok Otung, University of Bradford</i>	09:00	Session 17 Satcoms Regulations and Spectrum Management <i>Mark Posen</i> <i>RPC Telecommunications Ltd</i>	09:00 9.00 for online 10:am for onsite	Session 20 Projects: Project A: Payload design <i>Project leader: Daryl Jones, Airbus Defence and Space</i> Project B: Earth station design <i>Spyridon Grammenos</i> <i>Inmarsat</i>
10:30	Refreshment break	10:30	Refreshment break	10:30	Refreshment break	10:30	Refreshment break	10:30	Refreshment break	10:30	Refreshment break
10:45	Session 2 Commercial Aspects of Satcoms <i>David Jowsey</i> <i>BT Media & Broadcast</i>	10:45	Session 6 Modulation and Coding <i>Alister Burr</i> <i>University of York</i>	10:45	Session 10 Satellite Access Techniques <i>Tim Tozer</i>	10:45	Session 14 NGSO systems <i>Farbod Kayhan</i> <i>e2E Group</i>	10:45	Session 18 Payload Engineering <i>Daryl Jones</i> <i>Airbus DS</i>	10:45	Session 20 (Continued)
12:15	Lunch	12:15	Lunch	12:15	Lunch	12:15	Lunch	12:15	Lunch	12:30	Lunch End of Course for Online Attendees
13:15	Session 3 Milsatcoms <i>Dave Davis, ST Engineering iDirect</i>	13:15	Session 7 Satellite System Planning - Power Link Budgets <i>Barry Evans</i> <i>University of Surrey</i>	13:15	Session 11 Passive Antennas <i>Tim Waterfield</i> <i>Industry Expert</i>	13:00	Session 15 Satcom on the Move (SOTM) <i>Kevin Shaw</i> <i>UK Strategic Command, MoD</i>	13:15	Session 19 Earth Station RF Engineering <i>Spyridon Grammenos</i> <i>Inmarsat</i>	13:15	Session 21 Project Presentations
14:45	Refreshment break	14:45	Refreshment break	14:45	Refreshment break	14:30	Refreshment break	14:45	Refreshment break	14:45	
15:00	Session 4 Emerging Technologies – Satellite-5G Future Vision <i>Paul Febvre, Satellite Applications Catapult</i>	15:00	Session 8 QoS Design Using Link Budgets <i>Barry Evans</i> <i>University of Surrey</i>	15:00	Session 12 Active Antennas <i>Tim Waterfield</i> <i>Industry Expert</i>	14:45	Session 16A Spacecraft Engineering and Testing <i>Max Petrozzi Ilstad</i> <i>ESA</i>	15:00	Close of Day 5 and Project Briefs	15:00	Session 22 Site tour : Airbus facility in Stevenage
						15:45	Refreshment break	15:30	Close of Day 5	15:30	
						16:00	Session 16B Space Environment <i>Pip Halpin DSTL</i>			17:00	
16:30	Close of Day 1	16:30	Close of Day 2	16:30	Close of Day 3	17:00	Close of Day 4				