The 28th Institution of Engineering and Technology Training Course on

Satellite Communication Systems

15-20 September 2013 | Milton Hill House, Abingdon, Oxfordshire, UK

www.theiet.org/satcoms-course

VENUE
Milton Hill House
Nr Abingdon, Oxfordshire,
OX13 6AF, UK

Programme
as at 28th August 2013

(May be subject to minor amendment).

TIME	Sunday, 15 September
15.30 - 16.00	**Registration**
16.00	**REFRESHMENTS**
16.30 - 17.45	**SESSION 1 Principles & Background of Satellite Comms** *Des Prouse* (*Consultant*)
17.45 - 18.45	**SESSION 2 Satellite Applications** *Tony Chung* (*HMGCC*)
19.00	**BUFFET SUPPER**
20.00 - 21.00	**SESSION 3 Link Engineering Primer** *Tim Tozer* (*University of York*)

TIME	Monday, 16 Sept
08.45	**SESSION 4 Satellite Systems Planning – Power Link Budgets** *Barry Evans* *(University of Surrey)*
10.45	**REFRESHMENTS**
11.00	**SESSION 5 Propagation** *Ifiok Otung* *(University of Glamorgan)*
12.45	**LUNCH**
14.00	**SESSION 6 QoS Design using Link Budgets** *Barry Evans* *(University of Surrey)*
15.45	**REFRESHMENTS**
16.10	**Project Breakout & meet Project partners**
16.15 - 17.45	**Project Briefing/ Workshops**
18.30	**DINNER**
19.30 - 20.45	**SESSION 7 (Optional) Datacoms Primer** *Dave Pearce* (*University of York*)

TIME	Tuesday, 17 Sept
08.45	**SESSION 8 Modulation & Coding for Satcoms** *Alister Burr* *(University of York)*
10.30	**REFRESHMENTS**
10.45	**SESSION 9 Satellite Access Techniques** *Tim Tozer* *(University of York)*
12.45	**LUNCH**
14.00	**SESSION 10 Satellite Video Broadcasting** *Jeremy Ball* *(Sharp Edge Projects)*
15.30	**REFRESHMENTS**
15.45	**SESSION 11 TCP/IP via Satellite** *Dave Pearce* (*University of York*)
17.15 - 18.00	**Tutorials/ Project work**
18.30	**DINNER**
19.30	**Evening Project Work**

TIME	Wednesday, 18 Sept	
08.45	**SESSION 12 Spacecraft Engineering & Operations** *Graham Huggins* *(Astrium)*	
10.45	**REFRESHMENTS**	
11.00	**SESSION 13 Antennas** *Tim Waterfield* *(Astrium)*	
12.45	**LUNCH**	
14.00	**SESSION 14a Payload Engineering** *Ranjit Manku* *(Astrium)*	**SESSION 14b Satellite Newsgathering** *Jonathan Higgins* *(BeaconSeek)*
15.45	**REFRESHMENTS**	
16.00 - 18.00 approx	**SESSION 15 Earth Station Engineering** *David Bookham* *(Brightday Engineering)*	
18.30	**DINNER**	
19.30 - 20.45	**SESSION 16 Inmarsat 4, BGAN, GX, & Ka band services** *Ammar Khan* (*Inmarsat*) **Evening Project Work**	

TIME	Thursday, 19 Sept	
08.45	**SESSION 17 Military Satellite Communications** *Alan Smith* *(Consultant)*	
10.20	**REFRESHMENTS**	
10.35	**SESSION 18 Commercial aspects of Satcoms** *David Jowsey* *(BT)*	
12.30	**LUNCH**	
13.45	Thursday Split **SESSION 19a Satellite Regulation & Ka-band** *Mohaned Juwad* (*Avanti*)	Thursday Split **SESSION 19b Practical Link Demonstration** *Dave Bookham* (*Brightday Engineering*)
15.30	**REFRESHMENTS**	
15.45	Thursday Split **SESSION 20a Satellite Navigation Services** *Lyn Dutton* *(Thales)*	Thursday Split **SESSION 20b Milsatcom Link Design** *Tim Tozer* *(University of York)*
17.15	**Project Work** (Finish Projects)	
19.30	**DRINKS RECEPTION**	
20.00	**COURSE DINNER** Guest Speaker: *Tim Sherwood* *(Chair, Satellite Applications Catapult Centre)*	

TIME	Friday, 20 Sept
09.30	***TRANSPORT TO SATELLITE APPLICATIONS CATAPULT CENTRE, HARWELL***
	Project Presentations
11.00	**REFRESHMENTS**
11.15	**SESSION 21 Mobile Satellite Services & the Future** *Paul Febvre* *(Catapult)*
12.45	Presentation of Awards
12.55	**FORMAL CLOSE & LUNCH**
Friday afternoon 13.30 – 15.30 (Optional)	**Tour of Satellite Applications Catapult Centre** ***and*** **Hands-on work with terminal equipment**

All enquiries to Rafal Kornatowski, Event Producer on RKornatowski@theiet.org or + 44 (0)1438 765 680 or Tim Tozer, Course Leader, on tim.tozer@york.ac.uk