**Satellite Communication Systems Course**

vcxzv

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Wed, 20September 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** |  | **MODULE 4:** **ANTENNAS AND SPACECRAFT** |  | **MODULE 5:** **REGULATIONS & SPECTRUM** |  | **MODULE 6:** **WORKSHOP ERERCISES** |
| **08:30** | **Teams open** | **08:45** | **Teams open** | **08:45** | **Teams open** | **08:45** | **Teams open** | **08:45** | **Teams open** | **08:45** |  |
|  |  |  |  |  |  |  |  |  |  | **Chair: David Bookham,** **Consultant Engineer** |
| **09:00** | **Session 1****Chairman’s welcome****Principles and background of Satellite communications** | **09:00** | **Session 5****Link Budget Primer** | **09:00** | **Session 9****Propagation** | **09:00** | **Session 13****Passive Antennas** | **09:00** | **Session 17****Satcoms Regulations and Spectrum Management** | **09:00** | **Session 20**Projects: **Project A: Payload design****Project B: Earth station design** |
| **10:30** | **Refreshment break** | **10:30** | **Refreshment break** | **10:30** | **Refreshment break** | **10:30** | **Refreshment break** | **10:30** | **Refreshment break** | **10:30** |  |
| **10:45** | **Session 2****Commercial Aspects of Satcoms** | **10:45** | **Session 6****Modulation and Coding**  | **10:45** | **Session 10****Satellite Access Techniques** | **10:45** | **Session 14****Active Antennas** | **10:45** | **Session 18****Payload Engineering** | **10:45** | **Session 20 (Continued)** |
| **12:15** | **Lunch** | **12:15** | **Lunch** | **12:15** | **Lunch** | **12:15** | **Lunch** | **12:15** | **Lunch** | **12:15** |  |
| **13:15** | **Session 3****Milsatcoms** | **13:15** | **Session 7****Satellite System Planning - Power Link Budgets** | **13:15** | **Session 11****TCP/IP and Satellite** | **13:00** | **Session 15****Satcom on the Move (SOTM)** | **13:15** | **Session 19****Earth Station RF Engineering** | **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** | **15:00** | **Session 8****QoS Design Using Link Budgets** | **15:00** | **Session 12****NGSO systems** | **14:45** | **Session 16A****Spacecraft Engineering & Operations** | **15:00** | **Close of Day 5 and Project Briefs**  | **15:00** | **Project Summary** |
| **15:45** | **Refreshment break** | **15:30** | **Close of Day 5** | **15:30** | **Session 22****Site tour : Airbus faculity in Stevenage** |
| **16:00** | **Session 16B** **Space Environment** |  |  | **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** |  |  |  |