

# IADC 34 Oxford – WG1 Agenda

**Day 1: Tuesday 29<sup>th</sup> March 2016**

**08:00 – 09:00 Registration (Rutherford Appleton Lab)**

**09:00 – 12:30 Opening Plenary of 34<sup>th</sup> IADC Meeting**

*Location: Pickavance Lecture Theatre*

1. Welcome addresses
2. Address by the previous IADC Chair
3. Statements by IADC Heads of Delegation
4. Working Group reports
5. Group photo

**12:30 – 14:00 Lunch break**

**14:00 – 15:15 Session 1.3 General**

*Conference Room, ECSAT (European Centre for Space Applications and Telecommunications)*

1. Meeting overview and objectives, status of AIs, summary of October 2015 SG meeting (P. Herridge, T. Yanagisawa, 15 min)
2. Update and approval of agenda (P. Herridge, T. Yanagisawa, 5 min)
3. Agency status reports space debris related activities in 2015/2016 (ASI, CNES, CNSA, CSA, DLR, ESA, ISRO, KARI, JAXA, NASA, ROSCOSMOS, SSAU, UKSA, 5 min per WG1 member Agency)

**15:15 – 15:45 Coffee/tea break**

**15:45 – 16:00 Session 1.4 General (continued)**

*Conference Room, ECSAT*

1. Nominations for new Deputy Chair

**16:00 – 16:15 Preparation of WG1 report to SG**

**16:15 – 17:15 WG reports to SG**

**17:30 – 19:00 Welcome drinks/Tour of Satellite Application Catapult**

**19:30 Bus to Oxford leaves from Satellite Applications Catapult**

## **Day 2:      Wednesday 30<sup>th</sup> March 2016**

### **09:00 – 10:30      Session 2.1**

*Conference Room, ECSAT*

1. Large LEO object light curves - results of reanalysis (T. Yanagisawa, JAXA, 20 mins)
2. Status of report on AI 31.2 - LEO lightcurves
3. Status of report on AI 23.2 - HAMR (T. Schildknecht, ESA, 10 mins)

### **10:30 – 11:00      Coffee Break**

### **11:00 – 13:00      Session 2.2**

*Conference Room, ECSAT*

1. MCAT and UKIRT (S. Lederer, NASA, 25 mins)
2. Observations with JGT at St Andrews (A. Scholz, UKSA, 15 mins)
3. IADC campaign trial observations using SPADE (O. Lanciano, ASI, 15 mins)
4. Results from attitude determination study (T. Schildknecht, ESA, 20 mins)
5. Results from 2015/2016 observation campaigns (T. Cardona, ASI, 20 mins)

### **12:30 – 14:00      Lunch break**

### **14:00 – 15:15      Session 2.3**

*Conference Room, ECSAT*

1. South-Staring BPE - First TIRA Results (K. Letsch, ESA, 20 mins)
2. Status of report on AI 33.3
3. Azimuthal Rotating Antenna for Space Debris Detection (K. Letsch, ESA, 15 mins)
4. Update on ESA bistatic breadboard (F. Muller, CNES, 20 mins)

### **15:15 – 15:45      Coffee/tea break**

### **15:45 – 16:00      Session 2.4**

*Conference Room, ECSAT*

1. Nominations for new Deputy Chair
2. New AI on optical observations of Molniya orbits

### **16:00 – 16:15      Preparation of WG1 report to SG**

### **16:15 – 17:15      WG reports to SG**

### **17:30 Bus to Oxford leaves from Satellite Applications Catapult**

## **Day 3: Thursday 31<sup>st</sup> March 2016**

### **09:00 – 10:30 Session 3.1 *Joint session with WG2***

*Conference Room 12/13, Building R68*

1. Large LEO object light curves - results of reanalysis (T. Yanagisawa, JAXA, 20 mins)
2. Characterisation of orbital debris via hyper-velocity ground-based tests (H. Cowardin, NASA, 20 mins)
3. Optical observations of Briz-M fragments in GEO (T. Schildknecht, ESA, 20 mins)
4. Re-entry Analysis Using Radar Measurements (H. Hinagawa, JAXA 20 mins)

### **10:30 – 11:00 Coffee Break**

### **11:00 – 13:00 Session 3.2**

*Conference Room, ECSAT*

1. Use of COSMOS for debris tracking (B. Hainaut, 20 mins)
2. Development of la Sapienza international network of observatories for space surveillance (F. Piergentili, ASI, 20 mins)
3. Increasing of GEO/HEO space debris discovery rate due to annual development of the ISON network (I. Molotov, Roscosmos, 20 mins)
4. Detection of LEO objects using CMOS sensor (T. Yanagisawa, JAXA 20 mins)

### **12:30 – 14:00 Lunch break**

### **14:00 – 15:15 Session 3.3**

*Conference Room, ECSAT*

1. Ursa Maior: a cubesat to be used as calibration target (F. Santoni, ASI, 20 mins)

### **15:15 – 15:45 Coffee/tea break**

### **15:45 – 16:00 Session 3.4**

*Conference Room, ECSAT*

### **16:00 – 16:15 Preparation of WG1 report to SG**

### **16:15 – 17:15 WG reports to SG**

### **17:30 Bus to Oxford leaves from Satellite Applications Catapult**

### **19:00 – 22:30 Conference Dinner**

*Randolph Hotel, Beaumont Street, Oxford*

**Day 4:      Friday 1<sup>st</sup> April 2016**

**09:00 – 10:30      Session 4.1**

*Conference Room, ECSAT*

1. Future directions for WG1

**10:30 – 11:00      Coffee Break**

**11:00 – 12:00      Session 4.2**

*Conference Room, ECSAT*

1. A.O.B.
2. Preparation of final presentation to plenary meeting

**12:00 – 13:00      Closing Plenary of 34<sup>th</sup> IADC Meeting**

*Pickavance Lecture Theatre*

**12:30 – 14:00      Lunch break**

**14:00 Bus to Oxford, Departure**

## 34<sup>th</sup> IADC Meeting Agenda

Start Time	29 <sup>th</sup> March (Tuesday)	30 <sup>th</sup> March (Wednesday)	31 <sup>st</sup> March (Thursday)	1 <sup>st</sup> April (Friday)
8:00	Registration Rutherford	Coaches collect from	Coaches collect from	Check out of hotels
8:30	Appleton Lab	Oxford	Oxford	Coaches from hotels
9:00	Opening Plenary Pickavance Lecture Theatre – RAL	Working Group Sessions Various Locations	Working Group Sessions Various Locations	Working Group Sessions Various Locations
9:30				Closing Plenary Pickavance Lecture Theatre - RAL
10:00				
10:30				
11:00				
11:30				
12:00				
12:30				
13:00	Lunch	Lunch	Lunch	Adjourn
13:30				
14:00	Working Group Sessions Various Locations	Working Group Sessions Various Locations	Working Group Sessions Various Locations	
14:30				
15:00				
15:30				
16:00				
16:30				
17:00			Coaches to Oxford	
17:30				
18:00	Welcome Drinks Reception at Satellite Applications Catapult and tour of RAL Space Test facility RAL Space Test facility	Coaches to leave		
18:30				
19:00			Coaches to evening Banquet at The Randolph Hotel	
19:30				
20:00	Coaches to leave			
20:30				
21:00				
21:30				
22:00				
22:30				
23:00			Coaches back to hotel	
23:30				