



**University of Pavia**

**Ph.D. School of Electrical and Electronics Engineering and Computer Science**

## **SEMINAR**

### **SatCom On-the-move Antennas**

***Marco Formaggi, Ph.D.***

**Business and RF Development Manager – Satcom and Defence**

**A.D.S. International  
Valmadrera (LC), Italy**

**15 January 2018, 11.00**

**Aula seminari ex Dipartimento di Elettronica, piano D**

**Abstract:** In a world that is more interconnected every day, being on-line at any given moment is becoming essential for all applications and particularly for those where it is of paramount importance to receive or send the right information at the right time. When the main communication infrastructure is severely damaged, unsafe, unreliable or unavailable, satellite communications may be the only viable solution. In adverse conditions, being able to establish a satellite link while on the move, provides a higher degree of flexibility and a clear strategic advantage. The advances in RF engineering allowed in recent years a flourishing of the satcom on the move technology, however several research and development aspects need to be successfully addressed to fully meet all the application requirements. This seminar will address the current R&D trends in the field of “on-the-move” satellite communication, with an emphasis on the antenna and positioner technologies.

**Bio:** Marco Formaggi was born in Novara, Italy on June 27th, 1978. He received the MSc degree in Electronics Engineering and the PhD degree in Electronics from the University of Pavia in 2003 and 2007, respectively. In the 2002-2004 timeframe he was first a trainee and then a Callisto Space contractor at the European Space Agency ESA/ESOC in Darmstadt, Germany, where he was supporting the Ground Station Segment design activities. After a brief experience as Business Analyst with Arthur D. Little, in 2008 Marco joined Cobham, UK where he worked from 2008 to 2013 initially as antenna Design Engineer and then as Project Manager/Team Leader. From 2013 to 2015 he took the role of Defence and Telecommunications Sales Manager for the Italian field office of CPI - Communications and Power Industries, covering the Southern European market. Marco is currently employed as Business Development Manager at A.D.S. International, where he is developing the new Satcom and Defence business line (<https://goo.gl/YUb221>).

#### **Organizers**

**Prof. Marco Pasian**

#### **Ph.D. Coordinators**

**Prof. Paolo Di Barba**

Seminar in English

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