



ADVANCED TOPICS IN COMMUNICATION AND SENSING

Anno immatricolazione	2013/2014
Anno offerta	2014/2015
Normativa	DM270
SSD	ING-INF/03 (TELECOMUNICAZIONI)
Dipartimento	DIPARTIMENTO DI INGEGNERIA INDUSTRIALE E DELL'INFORMAZIONE
Corso di studio	ELECTRONIC ENGINEERING
Curriculum	PERCORSO COMUNE
Anno di corso	2°
Periodo didattico	Annualità Singola (29/09/2014 - 12/06/2015)
Crediti	3
Ore	23 ore di attività frontale
Lingua insegnamento	ENGLISH
Tipo esame	SCRITTO E ORALE CONGIUNTI
Docente	DELL'ACQUA FABIO (titolare) - 3 CFU
Prerequisiti	Basic knowledge of Remote Sensing for surveillance and Earth Observation, available from the undergraduate course "Introduzione al Telerilevamento/Introduction to Remote Sensing".
Obiettivi formativi	<p>This course was conceived to enrich the background of students specializing in "Space Communication and Sensing" by exposing them to specific, edge-cutting research topics. Science and technique in aerospace today progress so fast that it is impractical to keep the pace on the regular courses. This additional course will make every year a choice among the leading, applicative, hot topics, connecting the theoretical lectures with the industrial applications. Speeches are planned by both professors and individuals from industry, research and spin-offs.</p>
Programma e contenuti	The course programme changes every year as external speakers from

	<p>industry, research centres and other universities are invited according to the most up-to-date trends in research and market.</p> <p>Focus of 2013-2014 The focus of the course will be on Radar Systems, their evolution in recent years, and their future trends.</p>
Metodi didattici	<p>Lectures (hours/year in lecture theatre): 23 Practical class (hours/year in lecture theatre): 0 Practicals / Workshops (hours/year in lecture theatre): 0</p>
Testi di riferimento	<p>Slides from each talk, available at http://tlclab.unipv.it/.</p>
Modalità verifica apprendimento	<p>Attending classes is the intended way of acquiring the relevant contents. Though, students who happen to be unable to attend will be required to carry out a short review and report on it, the topic being one of those dealt with in the course. This may also be made in cooperation with one of the companies involved in the course.</p>
Altre informazioni	<p>Attending classes is the intended way of acquiring the relevant contents. Though, students who happen to be unable to attend will be required to carry out a short review and report on it, the topic being one of those dealt with in the course. This may also be made in cooperation with one of the companies involved in the course.</p>
Obiettivi Agenda 2030 per lo sviluppo sostenibile	<p>\$bl legenda sviluppo sostenibile</p>