

Allegato A alla determina di approvazione atti dell'Avviso n. 965/2015

**Elenco degli affidatari di incarichi dell'Avviso di vacanza 965/2015 per il conferimento di incarichi di didattica integrativa
per il Master di II livello in Space Exploration and Development Systems - A.A. 2015/2016**

Master	Cod. Ins.	Insegnamento	Numero massimo di incarichi	Numero di ore	Argomento delle lezioni/Oggetto dell'incarico	Affidatari incarichi
Master Universitario di II livello in Space exploration and development systems-Torino	02PXTGU	Fundamentals of space sciences and techniques	2	10	Systems Tool Kit (STK). Specialized orbits. Ground tracks. Transfer trajectories. Mars trajectory	Sara CRESTO ALENIA
				6	EDLS (Entry Descent and Landing Systems) introduction and design solutions. EDLS missions	Antonio SALUZZI
			1	20	Mission Analysis	Annamaria PIRAS
			2	10	Space and Planetary Environment	Cesare LOBASCIO
				10		Roberto DESTEFANIS
	02PXXGU	Human space systems I	3	4	Computational aero-thermodynamics, TPS preliminary sizing	Cosimo Marcello CHIARELLI
				5		Vincenzo MARESCHI
				5		Antonio SALUZZI
	02PXYGU	Human space systems II	1	14	Space structures and materials	Alfonso PAGANI
			2	12	Environmental Control and Life Support	Matteo Maria LAMANTEA
				16		Cesare LOBASCIO
			1	24	Electrical Systems and EMC	Demis BOSCHETTI
	02PXZGU	Space telecommunications and avionics	1	10	Engineering applications. Different examples of flight strategies. Sensors and error modelling. External disturbances model Tapered maneuver approach: linear and nonlinear case (Hill equations and attitude dynamics, simplified model of sensors and external disturbances, application of detailed sensor model to proximity flight).	Elisa CAPELLO
	01PXVGU	Space exploration systems I	1	24	Locomotion systems and design of planetary rovers	Cristiano PIZZAMIGLIO
	02PXWGU	Space exploration systems II	1	10	Space System Engineering I: Functional Analysis and Concept of Operations. Analysis applied to a space exploration scenario to transfer satellite platforms from Leo to GEO	Sara CRESTO ALENIA
			2	15	Space System Engineering II: Mission Definition, System Concept Definition, Expl. Sys. Architecture, Functional Architecture, Human Exploration Mission, Physical Architecture, Concurrent Design Processes, Budgets, Specifications & Verifications, Integrated Design Environment, Launch Systems	Flavio BANDINI
				15		Eugenio GARGIOLI
			2	10 (ore di tutoraggio)	Design of Space Exploration Mission	Sara CRESTO ALENIA
				10 (ore di tutoraggio)		Roberta FUSARO
	02PXUGU	Space management and utilization	1	4	Space Human Engineering - Crew Safety	Laura NOVARO MASCARELLO