

2015 Internship Items to be assigned

No.	Dept. in charge	Filed centers	Theme	student capacity	Prerequisite conditions				Training days	Training period		Program Overview	Other information you should know
					School	Major	Academic year	others		Start date	End date		
1	Aerospace Research and Development Directorate Research Unit II, Research and Development Directorate	Chofu	Calculation of ballistic limit curves of space debris bumper shields made of aluminum by numerical simulation	1	University or Graduate School	Engineering			1 month	01/07/2015	31/08/2015	Calculation of ballistic limit curves of space debris bumper shields made of aluminum by numerical simulation	
2	Aerospace Research and Development Directorate Research Unit II, Research and Development Directorate	Chofu	Heating tests of lightweight ablator for planetary exploration mission	2~3	Not specified				5	15/02/2016	19/02/2016	Conducting heating tests of lightweight ablating materials and the thermal performance assessment	There's a possibility that schedule may be modified.
4	Aeronautical Technology Directorate, Technology Demonstration Research Unit	Chofu	Research on an indoor flight technology of small aerial robots	a few		Science or Engineering	3rd and more		two weeks (nominal)	01/07/2015	31/12/2015	Evaluation tests of indoor flight (navigation and control) technologies	- Required skill: MATLAB - Preferred skill: C/C++ programming, embeded system design and programing - Desired skills: control theory, electronics - Schedule: negotiable
7	Institute of Space and Astronautical Science (ISAS) Department of Spacecraft Engineering	Sagamihara	Study of microwave and millimeter-wave technologies for space nano-RF technologies and including industrial applications and international collaboration.	4 or 5	over collage level	Engineering, Science, Economics, Laws		foreigners acceptable	Two weeks or more	July	September	Test fabrication and evaluation of high frequency circuits and antennas and investigation of their system applications and international collaboration	
9	Institute of Space and Astronautical Science (ISAS) Department of Interdisciplinary Space Science	Sagamihara	Biomedical Research in Space	2~3	Univ.	Medical	3		5	27/07/2015	31/07/2015	Study for biomedical influence to the organism in the space environment	There is a possibility that training period may be changed
10	Institute of Space and Astronautical Science (ISAS) Department of Spacecraft Engineering	sagamihara	Evaluation of resistance to space environment of photovoltaic cells	1		engineering	from forth-year			01/07/2015	25/07/2015	Opportunity to take part in various evaluation tests of photovoltaic cells for space environment will be given.	
11	Institute of Space and Astronautical Science (ISAS) Department of Spacecraft Engineering	sagamihara		1		engineering	from forth-year			01/07/2015	25/07/2015	Research and developmnet of components of wireless power transmission used in the space environment will be learned.	
19	Aeronautical Technology Directorate Propulsion Research Unit	Chofu	Measurement of acoustic impedance	<3	Univ.-	Mechanical Aerospace	B4~M2		<10	TBD	TBD	To investigate the acoustic impedance of the fabricated liners experimentally	knowledge on CAD