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## DLR – DAAD – Fellowships

Fellowship No. 304

<b>Research Area :</b>	Space
<b>Research Topic:</b>	<b>Secure architecture for data communication over next-generation integrated satellite networks.</b>
<b>DLR Institute:</b>	Institute of Communications and Navigation, DLR Weßling/ Oberpfaffenhofen
<b>Position:</b>	Postdoctoral Fellow
<b>Openings:</b>	1
<b>Job Specification:</b>	The main objective of this position is to analyse the main (cyber) security challenges arising in the integration of satellite and terrestrial networks. From this standpoint the study will be twofold. On the one hand the candidate has to firstly identify the main cybersecurity threats that can hamper or even hinder the correct functioning of communication systems in the overall chain producer-consumer. On the other hand, as second step, the candidate should develop new architectures and protocol solutions to mitigate ( <i>response</i> ) the effect of cybersecurity threats or even to lower the risk that a given cybersecurity attack occurs ( <i>prevention</i> ).
<b>Required Qualification:</b>	Ph.D. in Electrical Engineering or Mathematics. Enrolment in Academic/Research Institutions. Solid background in protocol and network architectures, (cyber) security threats and security protocol solutions.
<b>Advantageous Skills:</b>	Familiarity with the Ns-3 simulator, Matlab, or other equivalent tools.
<b>English competence:</b>	English fluent

**Earliest Start Date:** 01.02.2018 for 6 months

**Application Deadline:** Until position filled

**Further Information:** <http://www.dlr.de>  
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