



## DLR – DAAD Fellowships

### Fellowship No. 517

<b>Research Area :</b>	Space
<b>Research Topic:</b>	<b>Design and Analysis of Unsources Multiple Access Protocols for Satellite IoT Systems</b>
<b>DLR Institute:</b>	Institute of Communications and Navigation, DLR Oberpfaffenhofen
<b>Position:</b>	Doctoral Fellow
<b>Openings:</b>	1
<b>Job Specification:</b>	The activity focuses on the design and the analysis of modern random access protocols for satellite IoT systems, with emphasis on both classical metrics such as throughput, packet loss probabilities etc., as well as on information freshness metrics (e.g., Age of Information). Coding strategies for distributed communication and computation systems will be analysed as well, from both an information theoretic and an algorithmic viewpoint.
<b>Required Qualification:</b>	University diploma or master in Electrical Engineering, Computer Science, Math or equivalent.
<b>Advantageous Skills:</b>	Strong background in information theory, queuing theory, and coding techniques.
<b>English competence:</b>	See requirements on <a href="http://www.daad.de/dlr">www.daad.de/dlr</a>
<b>Earliest Start Date:</b>	Immediately

**Application Deadline:** Until Position filled

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