



DLR – DAAD Fellowships

Fellowship No. 557

Research Area :	Space
Research Topic:	Information-freshness based design of next generation IoT networks
DLR Institute:	Institute of Communications and Navigation, Oberpfaffenhofen
Position:	Senior Scientist
Openings:	1
Job Specification:	The notion of information freshness has recently emerged as key for the effective design of IoT systems, in which a large number of low-power, low-complexity devices sense and report towards a common receiver. In this context, although first results have been obtained in the development of information-freshness aware channel access strategies to support potentially massive terminal populations, fundamental research questions in terms of protocol design and optimization remain open. The proposed research activity will tackle these aspects, contributing to the definition of advanced solutions for next-generation IoT systems.
Required Qualification:	Ph.D. in Electrical Engineering. Enrolment in a high level Academic or Research institution. Solid background and strong publication record in channel access protocol for wireless network, optimization tools/game theory and information freshness.
Advantageous Skills:	Solid theoretical and analytical capabilities
English competence:	English fluent
Earliest Start Date:	01.01.2023
Application Deadline:	30.09.2022
Further Information:	http://www.dlr.de ; http://www.daad.de/dlr