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DLR – DAAD – Fellowships

Fellowship No. 303

Research Area :	Space
Research Topic:	In-network caching and content-aware routing for next-generation converged networks (satellite and terrestrial)
DLR Institute:	Institute of Communications and Navigation, DLR Weßling/ Oberpfaffenhofen
Position:	Postdoctoral Fellow
Openings:	1
Job Specification:	The quoted position is aimed at further investigating the opportunities offered by ICN/DTN architectures with respect to seamlessly integrating next generation heterogeneous networks. Particular use cases of interest (but not limited to them only) can be content distribution via Internet, Aeronautical Traffic Management (ATM), and support of maritime communications. The main objectives of the study will be to develop suitable caching techniques coupled with routing strategies, inspired to the current NDN architecture framework. In this respect, data naming implications will have to be duly taken in consideration, also in relation to service security requirements.
Required Qualification:	Ph.D. in Electrical Engineering or Mathematics. Enrolment in Academic/Research Institutions. Solid background in routing protocols and network architectures
Advantageous Skills:	Solid theoretical capabilities and familiarity with the Ns-3 simulator, Matlab, or other equivalent/widespread simulation tools.
English competence:	English fluent

Earliest Start Date: 01.02.2018 for 12 months

Application Deadline: Until position filled

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