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DLR – DAAD – Fellowships

Fellowship - No. 18

Research Area :	Aeronautics / Transportation
Research Topic:	Tomographic Particle Image Velocimetry for large scale simultaneous velocity and temperature measurements
DLR Institute:	Institute for Aerodynamics and Flow Technology, Department Fluid Systems, DLR-Göttingen
Position:	Postdoctoral Fellow (duration: 36 months)
Openings:	1
Job Specification:	The task includes: setting-up a tomographic PIV experiment including the seeding with liquid crystal particles, performing PIV in mixed convection, advancing and applying the existing tomographic PIV evaluation software to analyse 3D temperature and velocity fields simultaneously, visualizing and documenting the results.
Required Qualification:	PhD in Experimental Fluid Mechanics, Experience with Particle Image Velocimetry and other optical measurement techniques and with C/C++ programming
Advantageous Skills:	Experience with turbulence theory and numerical flow simulation
English competence:	fluent
Earliest Start Date:	depending on agreement
Application Deadline:	until position filled
Further Information:	www.dlr.de www.daad.de/dlr