



**Deutsches Zentrum
für Luft- und Raumfahrt e.V.**
in der Helmholtz-Gemeinschaft

Linder Höhe
D-51147 Köln
Telephone: +49 (0)2203 601-0
Internet: www.dlr.de

DAAD

**Deutscher Akademischer
Austausch Dienst
German Academic Exchange Service**

Kennedyallee 50 – D-53175 Bonn
Telephone: +49 (0)228 882-623
Telefax: +49 (0)228 882 448
E-mail: roehlen@daad.de
Internet: www.daad.de

DLR – DAAD – Fellowships

Fellowship - No. 17

Research Area :	Aeronautics
Research Topic:	High order Large-Eddy Simulations of turbulent flows in complex geometries using unstructured meshes
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: generation of structured and unstructured grids, performing Direct Numerical and Large Eddy simulations (DNS and LES) of turbulent convection in rectangular and cylindrical enclosures, advancement of the CFD codes for predicting heat radiation effects, documenting and visualizing the results.
Required Qualification:	PhD in Engineering or Physics, Experience in numerical flow simulation and C/C++ programming
Advantageous Skills:	Knowledge about turbulence and heat radiation modelling
English competence:	fluent
Earliest Start Date:	depending on agreement
Application Deadline:	until position filled
Further Information:	www.dlr.de www.daad.de/dlr