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## DLR – DAAD Fellowships

Fellowship no. 346

- Research Area :** Energy
- Research Topic:** Suspension plasma spray development for the functional layers in energy devices
- DLR Institute:** Institute of Engineering Thermodynamics, DLR Stuttgart
- Position:** Postdoctoral Fellow
- Openings:** 1
- Job Specification:** There is an opening for a post-doctoral fellow with the Department of Electrochemical Energy Technology to work in the area of suspension plasma spraying of functional layers. The fellow will conduct research on developing the process and on design and methodology to process coatings such as thermal barrier coatings, hydrogen permeable coatings and catalyst coatings for electrochemical energy devices. The fellow will conduct analytical analysis on these coatings and will contribute with the team conducting functional analysis.
- Required Qualification:** Doctorate degree from an accredited university in the area of materials science and engineering, surface engineering, chemistry, chemical engineering, catalysis or relevant fields. Must have earlier experience in thermal spraying particularly suspension plasma spraying and in coating development.
- Advantageous Skills:** Processing and characterization of coatings; Ink and suspension development, Process on-line characterization; Track record of scientific publications

**English competence:** Fluent spoken and written (see requirements on [www.daad.de/dlr](http://www.daad.de/dlr))

**Earliest Start Date:** As soon as possible

**Application Deadline:** Until position filled

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