Job posting

Type of position
- ☒️ scientific
- ☐ administrative

Target group
- ☒️ graduates
- ☐ post docs
- ☐ other

Title
PhD candidate / Junior researcher (f/m/d) at the Research Infrastructure "Barrel of Ilmenau"

Institution
Technische Universitaet Ilmenau
Department of Aerodynamics, Barrel of Ilmenau group

The university stands in the fields of technology, mathematics and natural sciences, business and media for teaching and research at the highest level. She attaches particular importance to innovative teaching and interdisciplinary. She identifies with Humboldt's ideals and pursues the vision of a cosmopolitan campus family

Position
The full-time position is dedicated to finish the DFG research project „ Thermal convection at high aspect ratio: The local distribution and the dynamics of dissipative processes”. It is a non-permanent one with a duration of 12 month (additional 6 month are possible). The announced position includes experimental work, data analysis and publication of the data in scientific journals. The salary is set according to the rules of the public sector and depends on the personal qualification (about 50 k€/a). The position will focus on independent, self-governed measurements of the thermal dissipation rate in turbulent thermal convection, and the candidate may expect an ambitious, but also a versatile and exciting work in an internationally collaborating team.

Responsibilities
• Running experiments in the large-scale convection experiment „Barrel of Ilmenau”.
• Conducting measurements of the thermal dissipation rate using a unique temperature gradient probe,
• Analysis and scientific interpretation of the data,
• Representation of the work in international journals and at congresses,
• Supervision of Bachelor and Master students.

Requirements
For being part of the selection process is needed:
• A scientific University Master or Diploma degree in Physics or Engineering,
• Excellent skills in experimental work and measurement technique,
• The ability to present the results of the research in scientific journals or at conferences.
Following competences are desirable:
• German language ability, the communication with the technical staff happens in local language,
• The ability and the willingness to teach students,
• The willingness to gain skills outside your specific field.

Please provide evidence of the qualifications required for the job by certificates and references.

Application procedure (deadline etc.)
ID-Number: 149/2022
application deadline: 30.11.2022

Contact
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