ISAE-SUPAERO is one of the leading European institutes dedicated to high-level multidisciplinary engineers in all fields of aeronautics and space. As part of its development policy, ISAE is hiring an associate professor/professor in planetary atmospheres. The proposed position is in the SSPA team (Space Systems for Planetary applications) of the E lectronics, Optronics Signal Department at ISAE-SUPAERO (https://www.isae.fr/deos)

The successful candidate will be involved in the development of the Institute's research related to the field of planetary atmospheres. An understanding of space instrument design is strongly desired.

We are looking for candidates who complement our current research program and who can fit and expand our existing areas of expertise (including the very important case of climate change in the terrestrial environment). Relevant areas of research interest in the department include the design of planetary geophysical instruments and the exploitation of data from ongoing planetary missions (such as InSight and Mars 2020), participation in CNES experiments such as STRATEOLE-2, as well as the study of missions to Venus in collaboration with the Jet Propulsion Laboratory/Caltech.

Successful candidates must be able to generate funding for part of their activity to support research collaborations. Successful applicants are also expected to publish results in major relevant journals and undertake effective science communication to academia, industry, and the public. An ability to establish relationships with laboratories specialized in environmental applications is a key asset.

They will contribute to the development and animation of research and teachings around their own themes. They will ensure the fundamental missions of a teacher in their field of competence (face to face teaching, management of teaching programs). They will also be responsible for maintaining and developing relations and cooperation with regional, national, international academic and industrial partners.

Key duties for research include :

- Developing research on a theme related to the field of planetary atmospheres (simulation, instrumentation, data analysis…), with applications related to sustainable development.

- Contribute to the scientific influence of ISAE-SUPAERO and its national and international influence through participation in space missions, publication in scientific journals, participation in conferences, and the organization of scientific events.

- Contribute to research actions carried out in close partnership with industry and academic or institutional partners (e.g.: OMP, LMD, DGA, CNES, JPL, NASA, ESA, etc.);

- Participate in national and international research projects within the framework of the Institute's strategy.

- Participate in the supervision of doctoral and undergraduate student projects.

For teaching aspects, the successful candidate will
- teach in the field of planetary science and contribute to the understanding of scientific issues related to climate change for ISAE-SUPAERO training.
- contribute to the development and adaptation of programs and the promotion of all ISAE-SUPAERO training courses.
- invest herself/himself in organizational responsibilities of a cross-cutting nature in the Institute's training courses.

The successful candidate has a PhD in Planetary or Earth Sciences, with a few years of post-doc positions. She/he has a strong taste for both teaching and research in planetary science and associated instrumentation, and ideally, she/he is already involved in planetary missions. She/he has an international research experience validated by international-level publications. The successful candidate has a demonstrated the ability to conduct research projects in collaboration with institutional and industrial partners.

A capability to communicate in French would be appreciated but is *not* mandatory.
Contact david.mimoun@isae-supaero.fr

Apply here ⬇⬇⬇

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