

Two 2-Years Pos-Doc Positions for Mars research at IAA/CSIC

Starting: Beginning of 2020
Call : October - November 2019
Pos-Doc Profile: PhD on Planetary Sciences or Atmospheric Sciences
Experience in remote sensing and atmospheric modeling.
Ability to tackle original research.
Applicants: All nationalities.
Non-EU citizens must obtain the regulatory documentation
(NIE card) to reside and work in Spain
More information: Contact the project IP, see details below.

We are offering two 2-year post-doc positions to work in the exploitation of recent/on going remote sensing observations by the instruments NOMAD and ACS on board the latest European mission to Mars, the ESA+Roscosmos ExoMars Trace Gas Orbiter. These contracts and research will be formalized within the current project *NOMADACS*, funded by the Spanish Space Plan under grant PGC2018-101836-B-100 (MCIU/AEI/FEDER, EU), and led by Dr Miguel A. López-Valverde, at the Instituto de Astrofísica de Andalucía (IAA/CSIC), in Granada, Spain. The research will be carried out at the IAA/CSIC, within the GAPT team (gapt.iaa.es , *Grupo de Atmósferas Planetarias Terrestres*, lead by Prof. Manuel López Puertas). The Instituto de Astrofísica de Andalucía (iaa.csic.es) is a leading research center in Astronomy of the Spanish National Research Council (CSIC), and owns the distinction "Center of Excellence in Research" of the Spanish Severo Ochoa Program.

The two investigations share large similarities. They involve the retrieval of lower and upper atmospheric abundances of aerosols, CO and trace species, including the search for hydrocarbons, sulfur and rare isotopes and species. The studies will initially focus on the limb observations (solar occultation) using a state-of-the-art retrieval suite recently adapted to Mars conditions. Nadir observations are also available and will be incorporated at a later phase. Comparisons with and validation of the latest generation of Martian Global Climate Models are also contemplated.

The selection process consists of two stages: assessment of merits and an interview. To apply, please send 1 single PDF file with a cover letter indicating motivation and a CV with publication record and copy of your Doctorate degree to:

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