



POSTDOCTORAL POSITIONS IN ASTROPHYSICS

NATIONAL OBSERVATORY OF ATHENS
Greece



The Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing (IAASARS) of the National Observatory of Athens invites applications for 1 postdoctoral position on modeling evolved massive stars in nearby galaxies **in the framework of the ERC consolidator grant titled “*Episodic Mass Loss in Massive Stars: Key to Understanding the Explosive Early Universe*” (ASSESS)**. The aim of the program is to determine whether episodic mass loss is a dominant process in the evolution of the most massive stars. The successful candidate is expected to employ state-of-the-art stellar evolution models to theoretically reconstruct observational results on mass loss resulting from the project’s observational survey with the goal of drawing conclusions about the role of episodic mass loss in evolved massive stars. Applicants with previous experience in stellar evolution modeling, evolved massive stars, and mass loss are particularly encouraged to apply. The duration of the position will be for 1 year.

The successful candidate is expected to be highly motivated, dynamic and independent, able to work within a diverse team. The candidate will work under the supervision of the PI, Dr. A. Bonanos. A PhD in (astro)physics or a related field is required.

Submission and inquiries should be addressed to Dr. A. Bonanos (e-mail: bonanos@noa.gr). Applications (in english) should include a cover letter, a curriculum vitae, a brief statement of current and future research interests (in PDF format) and three letters of reference, sent directly by e-mail to Dr. Bonanos. Consideration of applications will begin on **May 31st, 2023** and will continue until the position is filled. A starting date in Summer 2023 (by September 1st 2023) is anticipated. The salary is competitive, depending on experience, and a generous travel allowance will be provided.

IAASARS is the largest research institute in the field of astrophysics, space physics, and remote sensing in Greece, with 28 tenured researchers, 6 scientific and technical support specialists, 29 postdocs and 39 graduate students. The main activities of the Institute involve basic and applied research in a wide range of topics in astrophysics, from distant galaxies to the solar neighborhood, as well as ground based and space-borne remote sensing, earth observation and signal processing. Even though the science areas addressed by the various groups are diverse, close synergies and mobility among the groups have been established. In the process the personnel has developed expertise in sophisticated signal processing and data analysis techniques applying them to datasets produced by space-borne and ground based facilities. This has enabled the Institute to play a key role in major international scientific collaborations in fields such as X-ray astrophysics (e.g. XMM/Newton, eRosita, Athena+), Infrared astrophysics (e.g. Herschel), optical space missions (e.g. Gaia), solar physics and space weather (e.g. BepiColombo, Solar Orbiter, Rosetta, Cluster, THEMIS), and ionospheric physics. In addition, the Institute currently hosts two ERC grants. More information on the Institute and its personnel, as well as the research activities and its resources are available at: <https://www.astro.noa.gr>