

POSTDOCTORAL & PhD POSITIONS AT THE Institute of Astrophysics - FORTH



In the upcoming months the Institute of Astrophysics at the Foundation for Research and Technology – Hellas (IA-FORTH) is expecting to recruit two (2) postdoctoral researchers and two (2) PhD students in Radio Astronomy, who will work, under the supervision of Dr. Carolina Casadio and they will collaborate with an international team of experts in the field. The positions will be funded by the European Research Council Starting Grant (agreement No 101040021), entitled "**SMILE: Search for milli-lenses to discriminate between dark matter models**".

The postdocs and PhD students are expected to mainly work on the calibration, analysis and interpretation of radio Very Long Baseline Interferometric (VLBI) data of sources in the SMILE sample as well as actively participate in follow-up observations of gravitational lens candidates and the scientific exploitation of the results. They will also have the possibility of close collaborations with experts in signal processing and machine learning at the Signal Processing Laboratory of the Institute of Computer Science – FORTH, in Crete. Moreover, they will be offered the opportunity of spending extended training/collaboration periods at the Max Planck Institute for Radio Astronomy (MPIfR) in Bonn Germany, at the Radio Astronomy/VLBI department lead by Prof. J. Anton Zensus, as well as at the group of Prof. Anthony C. Readhead at Caltech (USA).

The initial appointments for postdocs are for two years, with the possibility of extension after review. The net monthly salaries for the postdoc and PhD student position will be ~1600€ (level of Ast. Professor in Greece) and ~1100 €, respectively. The expected starting date for the postdoctoral and PhD student positions is summer 2022 and possibly not later than November 2022. The recruitment process will remain open until the positions are filled.

Applicants for the postdoctoral positions are required to have a PhD in astronomy, astrophysics or a related field at the time of the appointment. We encourage the applications from researchers with expertise in radio interferometry and VLBI data calibration, and physics of active galaxies. Good skills in programming are also highly desirable. The PhD fellows will need to be admitted and registered as students at the Department of Physics of the Univ. of Crete.

Interested candidates are invited to communicate with Dr. Carolina Casadio **by May 1st 2022**, sending their CV at ccasadio@ia.forth.gr.

The Institute of Astrophysics at the Foundation for Research and Technology – Hellas (IA-FORTH) is located at the island of Crete in Greece and it was founded in 2018, as recognition of the scientific excellence of the astrophysics group jointly supported for nearly 25 years by the Univ. of Crete and FORTH. It currently consists of 9 permanent researchers, as well as 9 postdocs and 13 PhD students. Over the years it has established close long-term collaborations with leading institutes in the US, such as Caltech, NASA/JPL, CfA/Harvard as well as in Europe including CEA/Saclay and Obs. de Paris (France), MPE and MPIfR (Germany), Oxford and Cambridge (UK). IA-FORTH also manages the 1.3m telescope at Skinakas Observatory, located at an altitude of 1750m at just 60km from the city of Heraklion.

More information is available at:

Institute of Astrophysics – FORTH: <http://www.ia.forth.gr>
SMILE project: <https://smilescience.info>
Dr. Carolina Casadio: <https://www.ia.forth.gr/people/casadio>

