

FORM FOR EMPLOYERS

INSTITUTION Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences
(CAMK PAN)

CITY Warsaw, Poland

POSITION One post-doctoral position in stellar astrophysics and distance scale

DISCIPLINE Astronomy

POSTED 28.02.2023

EXPIRES 12.03.2023

WEBSITE www.camk.edu.pl

KEY WORDS Astronomy

DESCRIPTION (field, expectations, comments)

One post-doctoral position in stellar astrophysics and distance scale

Applications are invited for 1 post-doctoral position at the Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences (CAMK PAN), in Warsaw, Poland, in the field of stellar astrophysics and distance scale.

A successful candidate will work with prof. Grzegorz Pietrzynski on multiband period – luminosity relations for pulsating stars in the Milky Way and nearby galaxies. An additional research activity will be focused on calibration of the Baade-Wesselink method for selected pulsating stars. Experience in stellar astrophysics research, analysis of photometric and spectroscopic data as well as programming skills are strongly desirable. The successful applicant will also be encouraged to develop and pursue independent research program in the broad collaboration with a research team and in the line of the whole project.

Benefits:

The position will be funded from the European Research Council Synergy grant, agreement no 951549 “Sub-percent calibration of the extragalactic distance scale in the era of big surveys” - UniverScale. The person employed will be a member of the international Araucaria Group (<https://araucaria.camk.edu.pl/>) with guaranteed access to many telescopes. Observing expeditions and extended research visits to our partner institutions in Chile, France and Germany will be possible. Furthermore, CAMK PAN operates a collection of small telescopes located at Cerro Armazones Observatory in Chile, just in front of the construction place of the E-ELT. Exceptional weather conditions make this observatory an excellent tool for implementing research projects. CAMK PAN plans to significantly expand this observatory by building 4 new telescopes (0.6 – 2.5 m), from which the biggest one, the 2.5 m telescope is planned to be constructed within the framework of the UniverScale project. Therefore, candidates with observing / instrumental skills would find an excellent environment for their scientific development.

CAMK PAN is the leading astrophysical institute in Poland, hosting about 50 staff researchers and 30 PhD students. CAMK PAN scientists participate in many international projects. The research lines in CAMK, possibilities to develop career for young researchers, and life at the institute are presented in three movies [available here](#).

CAMK PAN is an equal-opportunity employer and supports equal opportunities and diversity in its personnel policy.

The successful applicant will be offered an employment contract with excellent salary and working conditions. The employment contract embraces social security, public medical care and participation in national pension scheme as well as access to non-public medical care and sports activities co-financed by the employer. She/he can also profit from the relocation costs reimbursement scheme according to CAMK PAN internal rules.

The successful applicant who is not citizen of a member country of the European Union must keep in mind that, prior to signing the contract, she/he must obtain a residence and work permit or visa (according to rules established between Poland and the country of the applicant origin).

Position and requirements description

One post-doctoral position is offered for 2 years with a possibility of extension up to 3 more years. The preferred starting date for the position is 1st of May 2023, but is to some extent negotiable. Form of engagement: employment contract. Place of employment: CAMK PAN, Warsaw, Poland

Requirements to be met by candidates include the following:

- 1) PhD degree in physics or astronomy;
- 2) proven publication record;
- 3) experience in working on stellar astrophysics;
- 4) experience in working on extinction determination;
- 5) very good programming skills;
- 6) good command of English to enable efficient communication with the team and preparation of scientific reports and publications;
- 7) additional assets: enthusiasm for work, independence, high personal culture, ability to work in a team.

The selection criteria include (equally weighted):

- 1) qualifications;
- 2) professional experience (including informally acquired experience) and experience in supervising scientific research conducted by junior colleagues;
- 3) mobility related to scientific, organizational and teaching experience.

Applying candidates should submit the following documents (in pdf format):

- 1) a copy of the PhD diploma;
- 2) a scientific curriculum vitae detailing research, teaching and organisational activities and a list of publications including the most important ones;
- 3) scan of printed and signed information clause [available here \(PDF format\)](#);
- 4) other documents proving the fulfilment of the competition criteria;
- 5) short statement of research achievements and scientific plans (maximum 2 pages);
- 6) two support letters.

The above mentioned documents should be submitted by e-mail with a subject "UniverScale Post-doc position" to recruitment@camk.edu.pl by **March 12th, 2023, 23:00 CET** as the latest

Questions about the position can be sent to: prof. Grzegorz Pietrzynski pietrzyn@camk.edu.pl (PI of the project) and/or Ksenia Kempa kkempa@camk.edu.pl the coordinator of the project.

The selection of candidates will be executed by a 3-member selection committee in accordance with the *“Resolution of the Scientific Council of the Copernicus Astronomical Centre of the Polish Science Academy (CAMK PAN) on establishing the regulations for the competition for positions of scientific employees at CAMK PAN”*. Shortlisted candidates can expect an invitation for a zoom interview.

The review of applications will begin soon after the deadline and continue until the position is filled. Complaints on the competition results shall be presented by e-mail to recruitment@camk.edu.pl within 2 days after receiving the information on the outcomes of the recruitment process and they will be taken up by the selection committee right after this deadline.