

JOB OFFER

Position in the project:	Scientific Technical Associate (Postdoc)
Scientific discipline:	Physical Sciences(Astrophysics)
Job type (employment contract/stipend):	Employment contract
Number of job offers:	2
Remuneration/stipend amount/month ("X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN"):	11000PLN of full remuneration cost, i.e. expected net salary at approx 7000 PLN
Position starts on:	March 1st, 2018
Maximum period of contract/stipend agreement:	33 months
Institution:	Astronomical Observatory of the University of Warsaw, Department of Physics, University of Warsaw
Project leader:	Prof Tomasz Bulik
Project title:	<i>Advanced algorithms for detection and modeling of newtonian noise for interferometric gravitational wave detectors</i> <i>Project is carried out within the TEAM programme of the Foundation for Polish Science</i>
Project description:	The recent detections of gravitational wave sources has shown the scientific potential of gravitational wave astronomy. In order to enhance this potential we will work to enhance the sensitivity of gravitational wave detectors at low frequencies, where the newtonian noise is the main obstacle. The main goal of the project is to investigate this noise and to work on algorithms to compensate it, so that we can discover more massive black holes and detect binary neutron stars earlier.
Key responsibilities include:	<ol style="list-style-type: none">1. Seismic characterization of the VIRGO site, preparation and installation of seismic sensor networks.2. Data analysis form networks of seismic sensors.3. Work on algorithms for newtonian noise compensation4. Writing and publishing scientific papers.5. Participation in conferences and working visits connected with installation and conservation of seismic detector networks.

Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. PhD in astronomy, physics or geophysics. 2. Experience with data analysis 3. Hands on experience with measurement systems at remote locations. 4. Fluent knowledge of English. 5. Creativity, good communication skills,
Required documents:	<ol style="list-style-type: none"> 1. Detailed CV with description of the scientific career and education, as well as scientific achievements. 2. Cover letter with description of the scientific goals. 3. At least two recommendation letters 4. Copy of the PhD diploma.
We offer:	<p>Employment at the Astronomical Observatory of the University of Warsaw for 33 months.</p> <p>Work in the international team in collaboration with VIRGO and NIKHEF. Participation in the VIRGO and LIGO collaboration. Possibility to develop own research ideas.</p>
Please submit the following documents to:	tb@astrouw.edu.pl
Application deadline:	January 31 st , 2018
For more details about the position please visit (website/webpage address):	www.astrouw.edu.pl/~tb/TEAM
Euraxess job/stipend offer (in case of PhD and postdoc positions):	

Please include in your offer:

“I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.”