

## JOB OFFER

Position in the project:	Senior mathematician
Scientific discipline:	Mathematics/Physics
Job type (employment contract/stipend):	job contract
Number of job offers:	1
Remuneration/stipend amount/month (*X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN*):	ca. 4880 PLN/month gross (half-time)
Position starts on:	1.07.2018
Maximum period of contract/stipend agreement:	36 months
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Dr. Krzysztof Kazimierczuk
Project title:	<b>„Methods of non-stationary signal processing for more sensitive NMR spectroscopy”</b>  <i>Project is carried out within the FIRST TEAM programme of the Foundation for Polish Science</i>
Project description:	The goal of the project is to develop novel methods of data processing for "serial" Nuclear Magnetic Resonance (NMR) experiments. Methods of analysis of non-stationary signals will be implemented in various types of experiments - from the study of small molecules and their mixtures to studies of macromolecules. The expected result of the project will be a package of experimental protocols and programs for data processing.

Key responsibilities include:	<ol style="list-style-type: none"> <li>1. Supervision of the mathematical aspects of the project implementation connected with harmonic analysis, Fourier analysis, Radon transform etc.</li> <li>2. Elaboration of the adaptations of theory of above methods to the case of multidimensional signals acquired in NMR experiments</li> </ol>
Profile of candidates/requirements:	<ol style="list-style-type: none"> <li>1. PhD degree in physics or mathematics</li> <li>2. Experience in harmonic analysis, Fourier analysis, time-frequency analysis.</li> <li>3. Programming skills (MATLAB)</li> <li>4. Practical experience in signal processing is welcome</li> </ol>
Required documents:	<ol style="list-style-type: none"> <li>1. Cover letter, describing Candidate motivation</li> <li>2. Curriculum Vitae (CV)</li> <li>3. PhD degree certificate</li> <li>4. One or more letters of recommendation from a scientist who is familiar with the Candidate (submitted directly to email address below)</li> <li>5. Information on scientific publications, scholarships, prizes and awards or other relevant documents demonstrating the excellence of Candidate</li> <li>6. A list of attended conferences with titles and authors of presentations</li> </ol>
We offer:	<ul style="list-style-type: none"> <li>- Interdisciplinary environment of the Center of New Technologies</li> <li>- Work in a dynamic group engaged in international collaborations.</li> <li>- Highly profiled publications in chemical or biological journals</li> </ul>
Please submit the following documents to:	<p>k.kazmierczuk@cent.uw.edu.pl</p> <p>email entitled: „MATH CONSULTANT APPLICATION”</p>
Application deadline:	13.05.2018

For more details about the position  
please visit (website/webpage address):

[www.nmr.cent.uw.edu.pl](http://www.nmr.cent.uw.edu.pl)

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."

