JOB OFFER

Position in the project:	Research Team Member – Student
Scientific discipline:	Medical Physics, Biomedical Engineering
Job type (employment contract/stipend):	Scholarship
Number of job offers:	1
Remuneration/stipend amount/month:	PLN 15 000 / PLN 3000 per month
Position starts on:	01/09/2021
Maximum period of contract/stipend agreement:	01/09/2021 – 31/01/2022
Institution:	Institute of Physics , Faculty of Materials Science and Physics , Cracow University of Technology, Krakow
Project leader:	Tomasz Szumlak, prof. AGH
Project title:	A reconfigurable detector for measuring the spatial distribution of radiation dose for applications in the preparation of individual patient treatment plans (POIR.04.04.00-00-15E5/18) The project is being implemented as part of the Team-Net program of the Foundation for Polish Science
Project description:	The tasks of the research team at the Cracow University of Technology will include the development of innovative methods for assessing the quality of implementation of the planned dose in tele-radiotherapy, development of three-dimensional printing technology for reconfigurable detector elements and development of methods for simulation of physical phenomena occurring during the absorption of ionizing radiation in the detector (phantom).
Key responsibilities include:	Concept development and implementation of a generative model (eg GAN) for generating particles from phase space for the needs of Monte Carlo simulation.
Profile of candidates/requirements:	Programming skills in python. Knowledge of the libraries of Pytorch, Keras, Tensorflow.
Required documents:	1. Candidate's CV. 2. Portfolio with a description of completed projects in the area of machine learning. In addition, it is required to provide a signed information clause regarding the processing of personal data by the Cracow University of Technology.

We offer:	Work in a prestigious project.
Please submit the following documents to:	The documents should be submitted to the dean's office of the Faculty of Materials Science and Physics of the Cracow University of Technology, ul. Podchorążych 1, Kraków or send in electronic form to the following address: imf@pk.edu.pl and krz@pk.edu.pl

One of the stages of recruitment is the interview, which can also be a conference call.

Candidates who do not receive the recruitment committee's recommendations may submit appeals and comments to the recruitment process within 7 days from the date of receipt of information on the recruitment result. Appeals and comments should be submitted to the project manager, Prof. Tomasz Szumlak (szumlak@agh.edu.pl) |
| Application deadline: | 15/08/2021 |
| Euraxess job/stipend offer (in case of PhD and postdoc positions): | Not applicable |

Cracow University of Technology
them. Tadeusz Kościuszko

INFORMATION CLAUSE

According to art. 13 para. 1 and par. 2 of the General Regulation on the Protection of Personal Data of 27 April 2016 (RODO) * is hereby notified that   case of applying to job positions announced on the PK website:

1.   administrator of personal data is Cracow University of Technology. Tadeusza Kościuszki with headquarters in   Krakow at ul. Warszawska 24, 31-155 Kraków,

2.   contact with data protection inspector at the Cracow University of Technology Tadeusz Kościuszko - phone no. 12   628   22   37, e-mail: iodo@pk.edu.pl ,

3.   personal data will be processed for recruitment to work on PK,

4.   personal data will be processed on the basis of art. 6 (1) point c according to the General Data Protection Regulation (GDPR), in   in particular on the basis of:

o Act of 20.07.2018 Law on higher education and science (Journal of Laws of 2018 item 1668)

o The Act of June 26, 1974. Labor Code (Journal of Laws of 2018, item 917, as amended)

5.   personal data will be kept for the duration of the recruitment specified in the advertisement,

6.   the applicant has the right to access their data and the right to rectify, delete, limit processing, the right to data transfer, the right to raise objections, the right to withdraw consent at any time without affecting the compliance with   the right of processing, which was made on the basis of consent before its withdrawal,

7.   the applicant has the right to file a complaint with the POTODO when he / she considers that the processing of personal data violates the provisions of the general regulation on the protection of personal data of 27   April 2016,

8.   providing the personal data by the applicant is a statutory requirement / condition for the conclusion of the contract,

9.   when processing personal data provided, there is no automated decision making.

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Date and signature of the candidate