

Paweł Pietrzak

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Education

2019 - now **Warsaw University of Science and Technology**

Faculty of Power and Aeronautical Engineering
Aerospace Engineering (V semester)

Internships

Summer 2020 **TeFeNICA 2020: Joint Institute for Nuclear Research, Dubna, Russia (remote)**

Project topic: Cosmic ray measurements in automation cycle using Python programming

I created an application that receives, archives and visually presents data transmitted by a cosmic ray CosmicWatch detector.

Main problems to solve: serial communication, data processing and visualisation, design and implementation of graphical user interface.

I learnt about issues related to the source, propagation and detection of cosmic radiation.

I presented my project at the final seminar in English.

Projects

SKA Students' Space Association (Studenckie Koło Astronautyczne)

Thermal analysis of a balloon gondola in preparation for the Association participation in BEXUS programme (Balloon-borne Experiments for University Students).

Skills

2D&3D CAD: AutoCAD, Creo Parametric, Siemens NX.

Programming: Python (advanced), C (basic).

Languages: Polish (native), English (C1), Russian (A2).

Interests

Cosmic radiation, ultralight planes, sci-fi.

I agree to the processing of personal data provided in this document for realising the recruit process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).