

# III OGÓLNOPOLSKI KONKURS

Polskiego Towarzystwa Informatycznego  
na najlepsze prace i projekty inżynierskie z informatyki

(<https://kpi.pti.org.pl/>)

Contest results!



POLSKIE TOWARZYSTWO INFORMATYCZNE

**NASK**



FUNDACJA  
**Cyfrowa  
Przyszłość**

Dear Contestants!

We are very pleased to announce the results of the III National Competition of the Polish Information Processing Society for the best engineering works and projects in Computer Science. This prestigious competition attracted talented young IT engineers from all over the country, who had the opportunity to present their diploma projects to both IT industry experts and representatives of the academic community.

The competition is organized by the Małopolska and Podkarpackie Branches on behalf of the Main Board of PTI. The partners of the Competition are the Scientific and Academic Computer Network – National Research Institute and the Digital Future Foundation. In this year's edition of the competition, a total of 106 works and projects were submitted, which were evaluated by 101 reviewers.

The Contest Committee composed of:

- Bartholomew Snowshin
- Radoslaw Lazarus
- Martyna Rozycka
- Grzegorz Młynarczyk
- Peter Smith
- Marek Bolanowski
- Andrew Paszkiewicz
- Tadeusz Kwater
- Michal Madeira

After receiving reviews of all submitted works and after a thorough analysis of them, she unanimously decided to admit:

I prize (in the amount of PLN 20,000) of work:

- *"Tools supporting the launch of computational models in the field of in-silico medicine"* (authors: Karol Zajęc, Piotr Kica, Adam Nowak and Krzysztof Gądek; supervisor: Maciej Malawski), Faculty of Computer Science, Electronics and Telecommunications, AGH University of Science and Technology in Kraków;

II prize (in the amount of PLN 14,000) of work:

- *"RNAPDBEE 3.0: Webserver for analysis of 3D RNA structures"* (authors: Kamil Niżnik, Paweł Śnioszek, Gabriel Wachowski and Mikołaj Żurawski; supervisor: Tomasz Żok), Faculty of Computer Science and Telecommunications, Poznan University of Technology;

III prize (in the amount of PLN 8,000) of work:

- *"Explorations in practical aspects of autonomic computing"* (authors: Zofia Wrona, Piotr Witkiewicz and Mikołaj Stańczyk; supervisor: dr hab. Marcin Paprzycki), Faculty of Mathematics and Information Sciences, Warsaw University of Technology;

and distinctions (in the amount of PLN 2,000) to the works:

- "*Gary – Comprehensive Rescue Incident Handling System*" (authors: Aleksandra Mira, Adam Szerszenowicz, Stanisław Godwod, Borys Kotnowski, Bartosz Semeniuk, Julia Urbaniak, Rafał Osica, Wiktor Czech, Aleksander Kozakowski and Jan Zwolan; ; supervisor: Mariusz Trzaska), Faculty of Computer Science, Polish-Japanese Academy of Information Technology in Warsaw;
- "*Indoor positioning system based on Ultra-Wideband technology*" (authors: Sebastian Szczepański and Aleksander Wójtowicz; supervisor: Tomasz Szydło), Faculty of Computer Science, Electronics and Telecommunications, AGH University of Science and Technology in Kraków;
- „*Adaptation of a continual learning method that alleviates the problem of forgetting for Generative Adversarial Networks*” (autor: Bartosz Cywiński; promotor: mgr inż. Kamil Deja), Wydział Elektroniki i Technik Informacyjnych, Politechnika Warszawska;
- "*Classification of ligands using deep neural networks*" (authors: Jacek Karolczak, Anna Przybyłowska, Konrad Szewczyk and Witold Taisner; supervisor: Dariusz Brzeziński, PhD, Eng., Prof. PP), Faculty of Computer Science and Telecommunications, Poznan University of Technology.

The award ceremony will take place on 12 October 2023 at NASK's headquarters in Warsaw.

We would like to congratulate all the winners and honorees, while all participants who did not win a place on the podium, we would like to remind you that participation in the competition itself is a great achievement and a great opportunity to gain valuable experience and recognition in the IT environment. Your projects and works will certainly be an inspiration for colleagues.

We would also like to thank our Partners: Scientific and Academic Computer Network – National Research Institute and the Digital Future Foundation for their support, which made it possible to organize this competition and award the best young IT engineers.

We would also like to thank the reviewers of works and competition projects, which were:

**Aleksander Byrski** (AGH University of Science and Technology in Kraków), **Alicja Pituła** (Pedagogical University of Cracow), **Andrzej Imiełowski** (State University of Technology and Economics in Jarosław), **Andrzej Paszkiewicz** (Rzeszów University of Technology in Ignacy Łukasiewicz), **Andrzej Wilczyński** (Cracow University of Technology), **Anna Jasińska-Suwada** (Cracow University of Technology), **Arkadiusz Banasik** (Silesian University of Technology), **Arkadiusz Błachut** (Intall sp. z o.o), **Bartosz Mindur** (AGH University of Science and Technology in Kraków), **Bartosz Pawłowicz** (Rzeszów University of Technology), **Bartłomiej Śnieżyński** (AGH University of Science and Technology in Kraków), **Bogdan Pilawski** (Santander Bank Polska), **Dariusz Brzeziński** (Poznan University of Technology), **Dominik Strzałka** (Rzeszów University of Technology), **Ewa Łukasik** (Poznan University of Technology), **Grzegorz Drałus** (Rzeszów University of Technology), **Grzegorz Jasiński** (Software Mind), **Grzegorz Młynarczyk** (Ailleron, Software Mind), **Grzegorz Szyjewski** (University of Szczecin), **Ilona Bluemke** (Warsaw University of Technology), **Izabela Żółtowska** (Warsaw University of Technology), **Jacek P. Kaczor** (I High School Krakow), **Jakub Swacha** (University of Szczecin), **Janusz Bytnar** (State University of Technology and Economics in Jarosław), **Janusz Furtak** (Military University of Technology), **Jerzy Balicki** (Warsaw University of Technology), **Jerzy Jaworowski** (Cracow University of Technology), **Jerzy M. Zaczek** (Cracow University of Technology), **Joanna Kosińska** (AGH University of Science and Technology in Kraków), **Kajetan Wojsyk** (Cardinal Stefan Wyszyński University in Warsaw), **Karol Zaręba** (Efento Sp. z o.o.), **Karolina Wadowska** (Citi Handlowy), **Katarzyna Grobler-Dębska** (AGH University of Science and Technology in Kraków), **Katarzyna Rycerz** (AGH University of Science and Technology in Kraków), **Kazimierz Frączkowski** (Wrocław University of Technology), **Kazimierz Kamuda** (Ignacy Łukasiewicz University of Technology), **Krzysztof Skabek** (Cracow University of Technology),

Krzysztof Szczeki (Software Mind), Łukasz Rauch (AGH University of Science and Technology in Kraków), Maciej Antczak (Poznan University of Technology), Marcin Bryk (OPTeam S.A), Marcin Marczewski (IBM Poland), Marcin Wątopek (Cracow University of Technology), Marek Bolanowski (Rzeszów University of Technology), Marek Hołyński (PTI), Maria Ganzha (Warsaw University of Technology), Mariam Zomorodi (Cracow University of Technology), Marian Bubak (Sano Centre for Computational Medicine, ACC Cyfronet AGH), Martyna Różycka (NASK), Mateusz Salach (Rzeszów University of Technology), Michał Gandor (Cracow University of Technology), Michał Hałoń (NASK PIB), Michał Madera (Soft System), Michał Piętał (Rzeszów University of Technology), Mirosław Mazurek (Rzeszów University of Technology), Monika Piróg (State Higher School of Technology and Economics in Jarosław), Patryk Organiściak (Rzeszów University of Technology, Keyweb), Paweł Dymora (Rzeszów University of Technology), Paweł Kuraś (Rzeszów University of Technology, Suntrail), Piotr A. Kowalski (AGH University of Science and Technology in Kraków), Piotr Bartman (Exclusive Networks Poland), Piotr Jastrzębski (University of Warmia and Mazury in Olsztyn), Piotr Maksymowicz (Intall sp. z o.o.), Przemysław Hawro (State University of Technology and Economics in Jarosław), Radosław Roszczyk (Warsaw University of Technology), Radosław Łazarz (AGH University of Science and Technology in Kraków), Robert Pękala (State Higher School of Technology and Economics in Jarosław), Szymon Szott (AGH University of Science and Technology in Kraków), Tadeusz Kwater (State University of Technology and Economics in Jarosław), Tomasz Lewandowski (State University of Technology and Economics in Jarosław), Tomasz Szydło (AGH University of Science and Technology in Kraków), Zbigniew Szpunar (President Stanisław Wojciechowski Academy of Kalisz), Zdzisław Szyjewski (University of Szczecin), Zenon Sosnowski (Białystok University of Technology)

*The above list of reviewers includes people who agreed to publish your personal data and affiliations.*

I would also like to thank the Substantive and Media Partners for the enormity of their work, time spent and willingness to share their own scientific and practical experience.

On behalf of the Organizers of the Competition,

*Bartłomiej Śnieżyński, AGH UST professor*

*Chairman of the Competition Committee*

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