Post-doc position at the Institute of Computer Science, University of Wrocław

I am offering one position in my project *"Processing massive string data and beyond: algorithms and conditional lower bounds"*, funded by the National Science Centre. The position is intended for 12 months (with an option for extension for another 12 months), starting in October 2025 (flexible).

The project aims to further our understanding of some major open questions in the area of algorithms on strings, motivated by possible applications in bioinformatics. To this end, it will combine tools from combinatorics on words, algorithms and data structures in the Word RAM model, and finally the emerging field of fine-grained complexity.

The position comes with full-time employment with a gross salary of around 8900 PLN and allows for a reasonably comfortable living in Wroclaw. It also includes basic health insurance, a year-end bonus, and travel funds.

The candidate should hold a PhD in Computer Science or Mathematics, and fulfill other formal requirements of the National Science Centre. Preference will be given to candidates already working in the area of the project. An application should include:

- curriculum vitae,
- copy of PhD diploma,
- list of publications,
- short description of research interests.

The institute is consistently ranked as one of the best places to study computer science in Poland, and hosts compact but strong groups working on algorithms, combinatorial optimisation, logic and database theory. Our students achieve very high results in the ICPC programming competition, and some of them become involved in our research activities. The PI and his collaborators (who will be also working on the project) regularly publish in top algorithmic conferences (SODA, ICALP track A).

Wrocław is a lively Central European city (see, e.g., https://visitwroclaw.eu/en), with over 100 000 students. Wrocław hosts a diverse international community, making it a welcoming place for people from all over the world. The regional airport handles several million passengers a year, and the city is within a few hours by train/bus from Warsaw, Berlin, Prague.

Each position will remain open until a good candidate is found, but at least until **May 30, 2025**. I aim at selecting the candidate in June. Further questions and applications should be sent to Paweł Gawrychowski (gawry [at] cs [dot] uni [dot] wroc [dot] pl).