

# Pengfei Wang

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Laboratory of Computer Science, Robotics and Microelectronics of Montpellier (LIRMM)  
860 rue de St Priest Montpellier cedex 5 FRANCE  
+33 695978968  
pengfei.wang@lirmm.fr  
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- RESEARCH INTERESTS** Combinatorics in Computer Science; Computational Pan-genomics.
- ACADEMIC BACKGROUND**
- Ph.D. Computer Science* 2021 - 2024  
CNRS & University of Montpellier, Montpellier, France.
    - Ph.D. topic: Combinatorics and Algorithms of Pangenome
    - Supervisor: Dr.Eric Rivals.
  - M.Sc. Applied Mathematics and Computer Science* 2021  
Moscow Institute of Physics and Technology(MIPT), Dolgoprudny, Russia.
    - Focus areas: Combinatorics, Game theory, Graph theory.
    - Thesis: Coalitional Stability of the Tripolar World.
    - Supervisor: Asso.Prof.Daniel Musatov.
  - B.Sc. Mathematics and Computer science* 2018  
Lomonosov Moscow State University, Moscow, Russia.
    - Focus areas: Topology and Geometry.
    - Thesis: Probability measures in Tychonoff Space.
    - Supervisor: Prof.Yuri Sadovnichiy.
- EMPLOYMENT HISTORY**
- Centre national de la recherche scientifique(CNRS)* 2021 - 2024  
Laboratory of Computer Science, Robotics and Microelectronics of Montpellier.
    - Researcher at Computer Science Lab.
  - Moscow Institute of Physics and Technology(MIPT)* 2020 - 2021  
Laboratory of Advanced combinatoris and complex networks
    - Project:”Coalitional Stability of the Tripolar World”
- TEACHING (at MIPT)**
- *Elementary Number Theory* 2020  
Act as *Teaching Assistant*, core undergraduate class on the fundamentals of Computer Science.
  - *Discrete Structure* 2020  
Act as *Teaching Assistant*, core graduate class on the fundamentals of Advanced Combinatorics.
  - *Mathematics* 2021  
Act as Instructor, class for international students in preparatory department.
- SECONDMENTS & VISITINGS**
- CWI, Amsterdam, the Netherlands. Jan-Feb.2023
    - Research project:”Periodicity of degenerate strings”

- RESEARCH GRANTS & SCHOLARSHIPS**
- Marie Skłodowska-Curie ITN Fellowship 2021 - 2024
  - Russian Government Scholarship 2019 - 2021
  - MIPT Academic scholarship for Excellent Students 2020
  - Russia Government 5-100 Program Grant for Research Projects 2020
- TALKS**
- Prague Stringology Conference* Aug.2023
- Oral speaker: "Periodicity of degenerate strings."
- International Colloquium on Automata, Languages, and Programming* July.2023
- Oral speaker: "Convergence of the number of period sets in strings."
- Data Structures in Bioinformatics* March.2023
- Oral speaker: "Periodicity of degenerate strings."
- Sequences in Bioinformatics, Computer Science and Mathematics* Nov.2022
- Oral speaker:"Combinatorics of period sets."
- Data Structures in Bioinformatics* June.2022
- Oral speaker:"Autocorrelations of strings: an upper bound."
- POSTERS**
- Summer school, Combinatorial Pattern Matching* June.2023
- Topic:"Convergence of the number of period sets in strings."
- PUBLICATIONS**
- \*\*The norm in my research-field is to order the names of the authors lexicographically based on their last names.*
- E.Rivals, M.Sweering and **P.Wang**: Convergence of the number of period sets in strings, ICALP 2023.
  - E.Gabory, E.Rivals, M.Sweering, H.Verbeek and **P.Wang**: Periodicity of degenerate strings, PSC 2023.