Skazkina Viktoriia Viktorovna

PhD student, **(Saratov State University, Lappeenranta-Lahti University of Technology):**

- Junior Researcher, 2019-now
- Assistant Professor, 2019-now
- Engineer, 2016-now

Scientific positions:

- Junior Researcher, Saratov State University

Scientific interests:

- Data analysis
- Live systems

Interests: travelling, sports activities, psychology

Teaching disciplines:

- Programming: C/C ++, C#, Python, Delphi, etc.
- Data processing and Analysis
- Biomedical Engineering

Grants and research projects:

Worked in the Projects of the President of the Russian Federation, RFBR, Megagrants, RSF, DAAD, etc.

The international cooperation:

Worked in group of Prof. Arkady Pikovsky (Potsdam University, Potsdam, Germany, 2019)

Main scientific publications:

h-index: 3 (Scopus), 3 (RISC)
About 80 scientific publications, including: software registration certificates etc.
Main scientific papers:

1. Kiselev A.R., Borovkova E.I., Shvartz V.A., **Skazkina V.V.**, Karavaev A.S., Prokhorov M.D., Ispiryan A.Y., Mironov S.A., Bockeria O.L. Low-frequency variability in photoplethysmographic waveform and heart rate during on-pump cardiac surgery with or without cardioplegia // Scientific Reports. 2020. V. 10. P. 2118.(https://doi.org/10.1038/s41598-020-58196-z)
2. Karavaev A.S., Borovik A.S., Borovkova E.I., Orlova E.A., Simonyan M.A., Ponomarenko V.I., **Skazkina V.V.**, Gridnev V.I., Bezruchko B.P., Prokhorov M.D., Kiselev A.R. Low-frequency component of photoplethysmogram reflects the autonomic control of blood pressure // **Biophysical Journal.** − 2021. V. 120. P. 2657–2664.(DOI:10.1016/j.bpj.2021.05.020)
3. Kiselev A.R., Mironov S.A., Karavaev A.S., Kulminskiy D.D., Skazkina V.V., Borovkova E.I., Shvartz V.A., Ponomarenko V.I., Prokhorov M.D. A comprehensive assessment of cardiovascular autonomic control using photoplethysmograms recorded from earlobe and fingers // **Physiological Measurement.** 2016. V. 37. P. 580-595.(DOI:10.1088/0967-3334/37/4/580)
4. Karavaev A.S., Skazkina V.V., Ishbulatov Yu.M., Borovkova E.I. Application of the coupling detection to the analysis of the low-frequency rhythms in the autonomic control of circulation // **Cybernetics and Physics Journal.** 2019. V. 8. N. 3. P. 128-131. https://doi.org/10.35470/2226-4116-2019-8-3-128-131
5. Skazkina V.V., Kiselev A.R., Borovkova E.I., Ponomarenko V.I., Prokhorov M.D., Karavaev A.S. Estimation of synchronisation of contours of autonomic regulation of circulation from long time records // **Russian Journal of Nonlinear Dynamics.** 2018. V. 14. No. 1. P. 3-12(ru).(ISSN 1817-5155)