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Education:

2015 - 2019 - Saratov State University, Faculty of Nano- and Biomedical Technologies, Department of Dynamic Modeling and Biomedical Engineering, bachelor's degree in Biotechnical Systems and Technologies, diploma with honors.

2019 - 2021 - Saratov State University, Faculty of Nano- and Biomedical Technologies, Department of Dynamic Modeling and Biomedical Engineering, Master's degree in Biotechnical Systems and Technologies.

Work experience:

2019 – nowadays - Saratov State University, laboratory "Smart Sleep", laboratory assistant (participation in the research mega grant "Limfason").

2021 – nowadays - Saratov State University, assistants of Department of Dynamic Modeling and Biomedical Technologies.

2021 – nowadays – Kotelnilov Institute of Radioengineering and Electronics of RAS, junior research assistant.

List of articles:

1. IshbulatovYu.M., Kiselev A.R., Mureeva E.N., Popova Yu.V., Kurbako A.V., Gridnev V.I., Bezruchko B.P., Simonyan M.A., Borovkova E.I., Posnenkova O.M., Panina O.S., ChernenkovYu.V., Kara “Diagnostics of coupling between low-frequency loops in cardiovascular autonomic control in adults, newborns and mathematical model using cross-recurrence analysis”, Russian Open Medical Journal, 2019, V.8, N.4, e0405. https://doi.org/10.15275/rusomj.2019.0405

2. Kulminsky D. D., Kurbako A. V., Skazkina V. V., Prokhorov M. D., Ponomarenko V. I., Kiselev A. R., Bezruchko B. P., Karavaev A. S. Development digital sensor of finger photoplethysmogram // Bulletin of the Saratov University. New series. Series: Physics. 2021.Vol. 21, no. 1.P. 58–68. https://doi.org/10.18500/1817-3020-2021-21-1-58-68

3. Kurbako A.V., Kudryashova V.V., Navrotskaya E.V. "Photoplethysmographic device for the analysis of synchronization of low-frequency autonomous regulation processes based on a microcontroller system" // Actual problems of physical and functional electronics, 2020. P. 248-249

4. Kurbako A.V., Navrotskaya E.V., Khorev V.S., Kudryashova V.V., Chernets E.P., Posnenkova O.M. "Influence of the passband of a photoplethysmographic sensor on the possibility of analyzing the synchronization of low-frequency processes of autonomous regulation" // Nanoelectronics, nanophotonics and nonlinear physics, 2020, pp. 141-142

5. Kurbako A.V., Kulminsky D.D., Khorev V.S., Posnenkova O.M. "Influence of the passband of the photoplethysmographic sensor on the possibility of analyzing the low-frequency regulation of the cardiovascular system" // Methods of computer diagnostics in biology and medicine, 2020, pp. 145-146 4. Kurbako A.V., Kulminskiy D.D., Borovkova E.I., Simonyan M.A., Posnenkova O.M., Ponomarenko V.I., Kiselev A.R., Karavaev A.S. “The influence of the

photoplethysmographic sensors passband to the possibility of analyzing of low-frequency processes of autonomic control" // DCNAIR, 2020, pp. 152-153 https://doi.org/10.1109/dcnair50402.2020.9216874

6. A. V. Kurbako, E. I. Borovkova, A. N. Khramkov, D. M. Ezhov, D. D. Kulminsky "A new method for diagnosing phase synchronization of autonomic blood circulation control circuits in real time" // Non-linear days in Saratov for young people, 2021, pp. 72-73

Software registration certificates:

1. Kurbako A.V., Skazkina V.V., Karavaev A.S. A program for receiving, processing and transferring from a photoplethysmogram sensor to a personal computer. Certificate of registration of the computer program RU 2020664251, 11.11. Application No. 2020662321 dated 18.10.2020.

2. Kurbako A.V., Skazkina V.V., Karavaev A.S. A program for receiving, processing, visualizing and saving photoplethysmogram data on information carriers. Certificate of registration of the computer program RU 2020664204, 09.11. Application No. 2020662326 dated 18.10.2020.