Research Physiologist: Physiological Assessment and Analysis

Apply Online: http://bit.ly/2v3z3Rq

Description:
UES, Inc. is seeking a Research Physiologist in the area of Human Performance Assessment and Physiological Analysis, to serve at Wright-Patterson Air Force Base in Dayton, OH.

The Research Physiologist will be an active and collaborative member of Advanced Development Teams within both the Materials and Manufacturing Directorate and the Human Performance Wing of the Air Force Research Laboratory. The efforts will focus on research, development, testing, and evaluation of wearable physiological monitoring technologies utilizing integrated flexible, stretchable, and/or hybrid electronics for use in challenging and/or non-clinical environments. This will include supporting data collection and analysis in lab, simulated operational, and operational environments. Candidates will be experienced in collecting and analyzing physiological data from a diverse set of novel systems, comparing of test systems to industry, military, and/or NIST standards or reference equipment, and will inform team members on recommendations for improvements to design concepts. The ability to design, develop, and execute device test and evaluation, as well as human-subject research is required. Excellent oral and written communication skills are a prerequisite for employment. The successful candidate will be self-motivated and capable of working independently, but also successfully collaborate with researchers from different technical backgrounds.

Required:
- A PhD or MS in Physiology, Biology, Human Factors Engineering, Electrical Engineering, Applied Mathematics, Biomedical Engineering, Physics, or related field of study
- Design, development, and execute physiological studies using wearable sensors
- Familiarity and/or experience with ECG, HR/HRV, SpO2, Respiration, Core-body temperature, etc. data streams
- This position is working within a government facility and requires U.S. Citizenship

Additional Technical Experience Preferred:
- Human-subjects research experience
- Strong technical skills for processing and analyzing multimodal physiological data
- Experience with analytical software programs including R, SAS, SPSS, Python, and MatLab

Additional Information
UES, Inc. is an innovative science and technology company providing customers with superior research and development expertise since its inception in 1973. Our long-term success is a direct result of a strong commitment to the success of our employees. We look forward to reviewing your application.