



Global Health Design Engineer: Strengthening Biomedical Engineering Education in Malawi

Rice University in collaboration with the Polytechnic Institute of Technology and Queen Elizabeth Central Hospital in Blantyre Malawi introduces a new position in Biomedical Engineering. As part of a grant from the Lemelson Foundation, these institutions are joined in a partnership to strengthen biomedical engineering education in Malawi. The design engineer will support biomedical engineering education at the University of Malawi Polytechnic.

The design engineer will reside at Blantyre, Malawi, where he/she will work at the University of Malawi Polytechnic to develop and implement undergraduate biomedical engineering design opportunities. They will oversee the expansion and daily function of a prototyping facility (design kitchen) for use in Biomedical Engineering courses at the Polytechnic, as well as collaborate with faculty in the development of project- based learning courses. This person will be working closely with a technician in Malawi.

The ideal candidate will have a MS or PhD in electrical, biomedical or mechanical engineering with extensive prototyping and engineering design experience. He/She should have at least two years experience teaching or mentoring undergraduates in engineering and have significant device and instrumentation prototyping experience (specifically with technologies such as 3D printers, laser cutters, data acquisition equipment and other electronics). The candidate should have design project experience and the ability to employ design skills and tools in creative ways appropriate for low resource settings.

The design engineer will receive a salary to support cost of living and medical benefits, assistance locating housing, and travel support.

Applicants should submit a cover letter addressing their interest and qualifications for the program, CV, and names of references to **Veronica Leautaud** (VL2@rice.edu) **The initial deadline for receipt of application is February 15st, 2018; applicants are encouraged to apply early as applications will be considered on a rolling basis.**