

PENN STATE

HUMANITARIAN MATERIALS ENGINEERING AND DESIGN

Department of Architecture Materials Research Institute School of Engineering Design, Technology, and Professional Programs

Applicants are being sought for a new tenure-track faculty line in Humanitarian Materials Engineering and Design at Penn State. This position will leverage Penn State's strengths in Materials Research and Application, Architecture, and Humanitarian Engineering and Social Entrepreneurship. Given the dynamic and cross-disciplinary nature of this position, candidates may have a formal education in engineering, design, architecture and other closely-related disciplines. Materials, Engineering, and Design, and their impacts on innovation are at the forefront of numerous Penn State. There is a rapidly growing network of faculty across campus converging on themes such as integrating modern computing, digital design, and fabrication technologies with traditional building processes and materials to tackle housing and urban problems in developing countries. The surrounding environment is also very supportive: State College is a robust college town that values entrepreneurship, innovation, and creativity.

Activities include a recent \$30M investment in the "Invent Penn State" initiative and, recently, Entrepreneur Magazine named State College as one of the top 10 entrepreneurial cities in the U.S. Its location in central Pennsylvania combines a good environment for families and young professionals with easy accessibility to NYC, Washington, DC, and other metropolitan areas in the Northeast. The primary appointment of this interdisciplinary position will depend on the background of the successful applicant. We expect the candidate to develop a research and educational program focused on grand challenges such as global health, clean water, shelter, food security, and affordable energy. The program must target the needs of communities in low- and middle-income countries. In addition to teaching regularly-scheduled courses and advising students, the candidate will acquire and maintain extramural funding to support research and engagement programs. The ability to engage professionally with a diverse population of faculty, staff, and students at the University as well as external stakeholders like nonprofits, industry partners, the UN, and government agencies is required.

Applicants should have a rich portfolio of field-based research, engagement, and entrepreneurship in low-resource settings. The successful applicant will be able to demonstrate measurable and tangible evidence of impact in their previous work. Review of applications will begin on November 1, 2016. Applications will be received until the position is filled. Applicants should upload a letter of application, names and addresses of three professional references, curriculum vitae, statement of research as well as a detailed portfolio of endeavors and impacts to the job posting found at <https://psu.jobs/job/67150>. Questions can be directed to Dr. Esther Obonyo at eao4@psu.edu and Dr. José P. Duarte at jxp400@psu.edu.

CAMPUS SECURITY CRIME STATISTICS: For more about safety at Penn State, and to review the Annual Security Report which contains information about crime statistics and other safety and security matters, please go to <http://www.police.psu.edu/clery/>, which will also provide you with detail on how to request a hard copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to minorities, women, veterans, disabled individuals, and other protected groups.

