

From: Ram Pendyala <Ram.Pendyala@asu.edu>
Subject: Opportunities at Arizona State University, Tempe
Date: 15 January 2010 23:01:28 CET
To: Ram Pendyala <Ram.Pendyala@asu.edu>

Dear Colleagues:

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) are seeking creative and entrepreneurial faculty who share a passion for finding solutions to the grand challenges facing society, through both research and the education of the next generation of engineers. Tenured and tenure-track faculty at all levels are being sought for research clusters in energy, health care, sustainability, security, and exploration and to contribute to innovative degree programs spanning the fields of aerospace, bio, chemical, civil and environmental, computer systems, electrical, industrial, materials, and mechanical engineering, as well as computer science and construction management.

Within the **Sustainable Engineering** theme, we seek candidates able to advance the theory and practice of sustainable engineering and industrial ecology; to define and model complex systems; and to engineer technologies and systems that define and lead to sustainable urban living by 2030. We are seeking multiple faculty at all levels (assistant to full professors) for appointments in the Ira A. Fulton Schools of Engineering in any of the following areas: risk management engineering, urban systems modeling, life cycle assessment, human health exposure assessment, membrane technologies, **urban transportation**, sustainable materials and green intelligent buildings, and visualization.

We seek faculty with expertise in the **development of transportation systems** that are sustainable, resilient, and intelligent. Expertise is sought for technology development or planning analysis that leads to more efficient use of existing infrastructure. This may involve the deployment of smart vehicles and mass transit systems, and the integration of network capacity expansion into sustainable urban planning for future livable communities. This may also involve analysis of complex multimodal transportation networks, deployment of advanced transportation technologies for remote sensing and monitoring of traffic systems, or modeling energy and environmental aspects of transportation planning decisions including considerations of the consequences of human travel behavior on global climate change.

Required qualifications include having an earned doctorate in engineering or related field (as described above) and demonstrated evidence of research capability and commitment to teaching excellence as appropriate to the candidate's rank. Review of applications begins December 1, 2009 and will continue weekly until the searches are closed. Please contact Dr. Paul Westerhoff with any questions at paul.westerhoff@asu.edu.

To Apply:

Please submit a current CV, a statement describing how your research and teaching interests address grand challenges facing society, and a list of three references to sustainability.grandchallenge.fulton@asu.edu.

Arizona State University is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.
(See ASU's complete non-discrimination statement at: www.asu.edu/titleIX)

For more information, please visit: <http://engineering.asu.edu/grandchallengesfaculty/sustainability>

Thank you for your consideration.

Regards,
Ram

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