

## **Purdue University Faculty Openings in "Forensics and Rehabilitation of Infrastructure"**

The School of Civil Engineering at Purdue University has identified “Forensics and Rehabilitation of Infrastructure” as a theme for inter-disciplinary research and education. Two faculty positions are available in forensic evaluation of structures and their components, development of effective mitigation and repair strategies, and development of new and more sustainable materials. Focus is on development of reliable methods for assessing the condition of structural elements and materials to better understand the causes and sources of structural deterioration and to develop methods to reduce the rate of deterioration and rehabilitate near-depleted infrastructure to extend its service life. Examples of specific fields of interest include assessment, behavior, repair, and rehabilitation of structural concrete elements and systems, physical and chemical analysis of construction materials, computational modeling of chemical degradation of infrastructure materials, and development of new or repair materials with a low-carbon footprint. Applicants are not limited to these topics.

The positions are tenure-track at the Assistant professor level. However, candidates with outstanding credentials will be considered for Associate or Full professor. We seek outstanding individuals that complement the strengths of our School, with a strong interest in inter-disciplinary activities.

Candidates must hold a PhD degree in Civil Engineering or a closely related discipline, have demonstrated potential for excellence in research, and be committed to excellence in teaching. Successful candidates will be expected to teach undergraduate and graduate courses, conduct research in their field of expertise, and participate in interdisciplinary activities. Candidates are expected to develop a vibrant externally funded program with international visibility.

**Applications:** Salary and benefits are highly competitive. Submit applications online at <https://engineering.purdue.edu/Engr/InfoFor/Employment>. An application should include a 1) cover letter, 2) a one page biography, 3) complete and detailed vitae, 4) statement of research interests and 5) statement of teaching interests. Also, please include names, addresses, telephone numbers, and email addresses for three or more references. For questions regarding the application process, contact the chair of the search committee at [cesearch@ecn.purdue.edu](mailto:cesearch@ecn.purdue.edu). For full consideration, please send your application by January 15, 2014. The review process will continue until the positions are filled. A background check will be required for employment in these positions.

Purdue University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce.