The Department of Civil and Environmental Engineering (CEE) at Colorado State University (CSU) invites applications for a tenure-track assistant professor position in the area of the built infrastructure with a focus in structural engineering and/or mechanics. CSU is a land-grant institution with a strong commitment to research that impacts society and addresses global problems, while maintaining an emphasis on scholarly excellence.

**Description:** This position will have a focus on improving the performance of the built infrastructure and its resilience to natural and human-induced hazards. Areas pertaining to infrastructure rehabilitation using advanced materials, intelligent optimization, remote sensing / health monitoring, and structural dynamics and control are of particular interest. However, other areas relevant to addressing impacts resulting from infrastructure aging are also invited. Candidates who have the potential to make a global impact through transformative research reaching beyond conventional structural engineering are especially encouraged to apply.

**Responsibilities:** The successful candidate will be expected to: (1) develop and maintain an internationally-recognized, externally-funded research program; (2) provide excellence in teaching undergraduate and graduate courses in civil and environmental engineering; and (3) pursue scholarly activities, and (4) serve the profession, the university, and the broader community. The successful candidate will be expected to address research problems that complement and expand current activities in the Department, and to collaborate effectively with other faculty within the Department and across the University.

**Qualifications:** A Ph.D. degree in Civil and Environmental Engineering or a closely-related discipline is required and must be completed by the start date. Candidates will be evaluated on the basis of their academic credentials; their potential for excellence in research, teaching, and scholarly activities; professional service; and communication skills.

**Appointment:** The position will be filled at the rank of Assistant Professor.

**Salary and benefits:** CSU provides nationally competitive salaries commensurate with qualifications and experience, excellent benefits (http://www.hrs.colostate.edu/benefits/index.html), and extensive facilities and laboratories.

**Proposed Start Date:** August 16, 2016, or as negotiated.

**Deadline:** For full consideration, please submit an application by 11:59 pm MDT December 15, 2015. Applications will be accepted until the position is filled. Please apply here: http://jobs.colostate.edu/postings/18273

**To Apply:** A complete application must include all of the following:

- a *cover letter* of not more than one page;
- a detailed *curriculum vitae*, including a list of refereed journal articles, evidence of teaching experience and quality and, if applicable, a list of submitted and funded projects for which the applicant was either the principal investigator or a co-principal investigator;
- a *research statement* of not more than one page on research philosophy and describing how the applicant would strategically fit into the CEE Department at CSU;
- a *teaching statement* of not more than one page on teaching philosophy; and
- a *list of three references* (references will not be contacted without prior approval of candidates).

Application materials of semifinalist candidates, including letters of reference, will be made available for review by the entire CEE faculty.
If you have questions about this search, please contact the search chair, Dr. John van de Lindt, at jwv@engr.colostate.edu.

Colorado State University, with an enrollment of approximately 32,000 students, is located in Fort Collins, Colorado, a community of approximately 156,000 people located at the foothills of the Rocky Mountains about 65 miles (105 km) north of Denver, that is routinely recognized as one of the most desirable places to live in the USA. Fort Collins residents enjoy an excellent school system, an expansive park and natural area program with extensive biking, hiking and walking trails, and over 300 sunny days a year. More information about Fort Collins and Colorado State University can be obtained at http://www.visitfortcollins.com/ and http://www.colostate.edu/visiting-campus.aspx.

The CEE Department at CSU is recognized both nationally and internationally for its education, research, and service and outreach programs. Our faculty are leaders in cutting edge interdisciplinary research and education with other faculty and programs across campus as well as with researchers around the world. Research expenditures by the CEE Department exceeded $8.6M during FY2015, including interdisciplinary research and education programs. Additional information about the CEE Department can be found at http://www.engr.colostate.edu/ce/.

The CEE Department has several Centers and Labs established and run by faculty who are dedicated to structural engineering and involve students in research and collaboration. These include:

**The Center of Excellence for Risk-Based Community Resilience Planning** at Colorado State University, funded by the National Institute of Standards and Technology (NIST), is accelerating the development of system-level models and databases that will provide the technology for enhancing community resilience in a research and development program involving three major thrusts. The decision framework created in the Center will provide a unique set of science-based measurement tools, supported by fully integrated databases and risk-informed decision methods, to optimize the design and management of individual facilities and interdependent community infrastructure systems so as to achieve resilience goals while managing life-cycle costs, thus making it possible to establish, for the first time, a business case for achieving community resilience.

**Mountain-Plains Consortium**
CSU is a member of the Mountain-Plains Consortium (MPC), one of 10 Regional University Transportation Centers sponsored by the U.S. Department of Transportation (USDOT). The MPC provides annual funding for research which meets the strategic goals of the USDOT, including the promotion of a state-of-good repair of transportation infrastructure.

**Large-Scale Structural Testing Laboratory**
The structural laboratory is suited for small and large scale testing of structural systems. The laboratory consists of large testing space, strong floor, reaction frames, and a dedicated control room and is serviced by various hydraulic actuators. In addition a 16 ft x 8 ft uniaxial shaking table is available and can be used for earthquake simulation. In addition, a testing facility is available for the evaluation of components and subassemblies at elevated temperature up to 2000°F. The laboratory is equipped with various contact and non-contact instrumentations that can be used to capture critical performance parameters during testing including strain, displacements, and temperature.

**Condition for Employment:** Colorado State University is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search and motor vehicle history.

**Commitment to Diversity and Inclusion:** Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

Colorado State University is committed to providing an environment that is free from discrimination and
harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services.