



## Faculty position in Infrastructure Corrosion Control, University of South Florida

The Department of Civil & Environmental Engineering at the **University of South Florida** invites applications for a tenure-track faculty position at the assistant/associate professor level with an expected start date of August 2018. An earned Ph.D. from civil engineering, materials engineering or related discipline(s) and evidence or potential for national prominence through superior scholarship, externally funded research and teaching excellence is required. The successful candidate will be expected to lead a team of doctoral and masters students in their research and teach undergraduate and graduate courses in civil/materials engineering that should include the field of engineering materials and corrosion-limited durability of civil infrastructure. In addition, the ability to teach regular aspects of structural engineering will be given strong preference. We are looking for individuals who can contribute to our successes in electrochemical corrosion diagnosis and control of structures in aggressive environments, structural health monitoring and rehabilitation, service life forecasting, structural design optimization, and multiphysics modeling of corrosion processes and structural deterioration. A strong deposition toward interdisciplinary work is expected, with potential effort expansion to other materials engineering fields including biomaterials, energy and advanced transportation systems, electrochemical, interfacial and transport phenomena, metallic and advanced materials, and non-destructive evaluation techniques.

The Department includes 24 fulltime and 8 adjunct faculty and approximately 270 junior and senior undergraduate students and 180 graduate students. With its distinguishing thrust in infrastructure corrosion control, the Department has a long tradition of collaboration with the Florida Department of Transportation in conducting research on the durability of its vast state transportation infrastructure, which is subject to some of the most aggressive service environments of the nation. The Department has a dedicated Corrosion Engineering Laboratory with electrochemical diagnostic facilities for indoor and outdoor evaluations, and a high capacity Structures Laboratory. The College's Nanotechnology Research and Education Center has state of the art microstructure characterization instrumentation. Faculty also have the opportunity of collaborating with the internationally acclaimed Center for Urban Transportation Research (CUTR) of USF, with 37 full-time researchers, and 57 students. CUTR, which is also the home of the National Center for Transit Research and the National Bus Rapid Transit Institute, logs over \$19 million per year in expenditures through contracts and grants to support its research, education, training and technical assistance missions.

The University of South Florida is a high-impact, global research university dedicated to student success. USF is a Top 50 research university among both public and private institutions nationwide in total research expenditures, according to the National Science Foundation. Serving nearly 48,000 students, the USF System has an annual budget of \$1.6 billion and an annual economic impact of \$4.4 billion. USF is a member of the American Athletic Conference. With more than 16,000 employees, the USF System is one of the largest employers in the Tampa Bay region. At USF you will find opportunities to excel in a rich academic environment that fosters the development and advancement of our employees. We believe in creating a talented, engaged and driven workforce through on-going development and career opportunities. We also offer a first class benefit package that includes medical, dental and life insurance plans, retirement plan options, tuition program and generous leave programs and more.

Applicants must electronically submit the application packet to the following website:

<http://www.usf.edu/administrative-services/human-resources/careers/> (**Applicants search Job Opening ID# 14880**).

The packet must contain a cover letter, complete vitae with list of publications, names and detailed contact information for four references, and 1-2 page statements summarizing the applicant's interests and vision in teaching and research. The cover letter should be addressed to Dr. Alberto A. Sagüés, Faculty Search Committee Chair, Civil & Environmental Engineering, University of South Florida, 4202 E. Fowler Ave, ENB 118, Tampa, Florida, 33620. The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. To request disability accommodations in the application and interview process, please notify Khoa Dinh, the EOL Coordinator at (813) 974-9272. Review of applicants will begin in late November and applications will be accepted until the position is filled.