



## SENIOR FACULTY POSITION

### Joint Position in the Departments of Mechanical Engineering and Materials Science and Engineering Clemson University, Clemson, SC 29634

The College of Engineering Computing and Applied Sciences at Clemson University (<http://www.clemson.edu/cecas/>) is seeking outstanding candidates for a faculty position at the rank of Full Professor. Outstanding candidates at the level of Associate Professor will also be considered. The position will be a joint position between Mechanical Engineering (ME) (<https://www.clemson.edu/cecas/departments/me/index.html>) and Materials Science and Engineering (MSE) (<https://www.clemson.edu/cecas/departments/mse/index.html>).

Candidates with expertise at the interface between materials and solid mechanics are encouraged to apply. Based on current expertise in the two departments and the desire to recruit faculty members with complementary expertise, candidate with expertise in one or both of the following two areas are of particular interest: **(a)** data science driven advanced materials design and manufacturing; and **(b)** simulation and/or characterization of materials at relevant length and time scales. The two departments, and the College are committed to high impact interdisciplinary research to address the most significant engineering challenges.

The ME Department has 33 and MSE Department 19 tenured/tenure-track faculty members actively involved in research, teaching, and service endeavors. The ME and MSE Departments respectively have 1030 and 110 undergraduates and 200 and 70 graduate students. The two Departments have excellent facilities and infrastructure for research and education. The faculty of the two Departments extensively collaborate with each other and with programs across the campus and with colleagues nationally and internationally. The University is home to several Innovation Campuses providing outstanding facilities for interdisciplinary collaborations (<http://www.clemson.edu/research/innovation/campuses.html>). In addition, there are several interdisciplinary research Centers. Of particular interest for this position is the Center for Advanced Manufacturing (<https://clemsoncam.com/#CONTACT>) and Clemson's Palmetto Cluster for high performance computing which is ranked 4<sup>th</sup> among the public academic institutions in the US on Top500 list (<https://www.palmetto.clemson.edu/palmetto/>). Clemson University is a public, land-grant institution currently ranked 24th among national public universities by U.S. News and World Report and is classified as a Tier 1 Research Institution by the Carnegie Foundation. The campus is located between Atlanta, GA and Charlotte, NC in the upstate of South Carolina.

Candidates must hold a doctoral degree in ME, MSE or a related discipline, have demonstrated a record of prior research accomplishments and shown the potential to educate and mentor students. Successful candidates will be expected to establish vigorous, high quality research program including interdisciplinary collaborations, attract significant external funding, and be able to collaborate with current faculty both within ME and MSE and the University as a whole. In addition, the candidates must demonstrate the potential to teach both at the undergraduate and graduate level in both ME and MSE. Clemson University and the two Departments are committed to ensure diversity in faculty. Women, minorities, veterans and persons with disability are especially encouraged to apply.

All applications must be submitted electronically and include: 1) a 1 page cover letter; 2) a current complete CV including a list of all publications; 3) PDF copies of the three most significant publications along with a brief statement (1 page max.) explaining why these articles best represent the applicant's work; 4) 2-4 page research statement highlighting complimentary capabilities to the existing faculty and programs; 5) 1-2 page teaching statement highlighting ability to teach in both ME and MSE and 6) contact information of 3-5 references. The application package should be uploaded to Interfolio. Questions can be sent to Prof. Rajendra Bordia, Search Committee Chair, at [rbordia@clemson.edu](mailto:rbordia@clemson.edu). Review of applications will commence on September 30, 2019, with full consideration being assured to applications received by this date. Screening will continue until the positions are filled.

*Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status or genetic information. Clemson University is building a culturally diverse faculty and staff committed to working in a multicultural environment.*