

PhD Position in Civil Engineering, Louisiana State University - Fall 2023

A fully funded PhD position is available at the Department of Civil and Environmental Engineering of Louisiana State University. The successful candidate will be supervised by Dr. George Z. Voyiadjis. The research projects will be focused on **material characterization and modeling of metals**, developing constitutive models of metals under static and dynamic loads, and applying the developed models in structural applications. The expected start date is Fall 2023.

Qualifications:

- B.S. or M.S. in civil/mechanical/materials engineering or a related discipline. A master's degree with research experience is a plus.
- Strong background and interest in continuum mechanics, metal behaviors, and constitutive modeling.
- Experience with finite element software (ABAQUS, ANSYS, etc.) and programming (FORTRAN, MATLAB, C++, etc.).

Application:

Interested candidates are invited to email Dr. Voyiadjis (voyiadjis@eng.lsu.edu) with a copy of CV, transcripts, a statement of research, and the contact information for 3 references. English test scores (required TOEFL and optional GRE) for foreign applicants are also encouraged to provide. Further application information is available at: <https://www.lsu.edu/eng/cee/academics/graduate/>.

About the supervisor:

Dr. George Z. Voyiadjis is the Boyd Professor at the Louisiana State University in the Department of Civil and Environmental Engineering, the highest professorial rank awarded by the Louisiana State University System. He also holds the Freeport-MacMoRan Endowed Chair in Engineering. He is a leading expert in damage mechanics and numerical simulation of material behavior. Dr. Voyiadjis is a Foreign Member of the European Academy of Sciences and Arts, the Academia Europaea, Physics & Engineering Sciences, the European Academy of Sciences, the National Academy of Engineering of Korea, and the Polish Academy of Sciences, Division IV (Technical Sciences). More information is available at: <https://www.lsu.edu/eng/cee/people/voyiadjis.php>.