The Clemson University Department of Automotive Engineering invites applications for a research fellow in the area of Optimization Based Control of Vehicle Systems. Preferred research expertise includes: diesel engine modeling (GT Power), engine control prototyping (ETAS INCA/INTECRIIO), transient dynamometer testing (AVL PUMA), hardware-in-the-loop implementation (dSpace or similar), optimization and optimal control theory, model based control and optimization, and model-in-the-loop control development. The research fellow will be supported through an industry sponsored project at the Clemson Automotive Engineering Department at the CUICAR campus in Greenville, SC. The preferred candidate will have a strong record of both academic publication and practical implementation.

Candidates must have a demonstrated interest in vehicle system modeling, simulation, control and optimization, with an advanced degree in an appropriate engineering field (ME, EE, CSE, etc). Applicants with a doctorate are preferred, but those with a relevant masters and significant experience will be considered. Applicants should submit a current curriculum vitae and a minimum of three references with full contact information. Electronic submissions (PDF files) to Dr. Simona Onori or Dr. Mark Hoffman are favored, but applications and nominations can also be mailed to Research Fellow Search Department of Automotive Engineering, 4 Research Drive Greenville, SC 29607. Application material must be received by May 30, 2015 to receive full consideration, though the search will remain open until the position is filled.

Clemson Automotive Engineering is located at the Clemson International Center for Automotive Research, a center created to promote collaboration among faculty, students and industrial partners. The candidate will be joining an existing team of faculty and graduate students presently working on the sponsored project. While self-driven, independent capability is a must, the candidate should have managerial and mentoring capacity for proper team integration.

Clemson University is an Affirmative Action/Equal Opportunity employer and does not discriminate against any individual or group of individuals on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, veteran status or genetic information.