ELECTRICAL AND COMPUTER ENGINEERING

CLEMSON UNIVERSITY

1) Intelligent Systems. Areas of particular interest include medical robotics, field robotics, haptics, human-computer interaction, intelligent mobile robotic systems (e.g., walking robots, UAVs, and UUVs), and system theory and/or robotics interfaces to biological and/or medical systems.

2) Computer Engineering. Candidates in all research areas related to computer engineering will be considered.

3) Microelectronics - Software Radio. Candidates are sought in the areas of RF microelectronics, RF mixed-signal circuits, and software radio, including VLSI and FPGA/DSP implementations thereof. Experience and/or interest in vehicular radios is desirable. The candidate is expected to understand practical matters pertaining to manufacturability of a given design, the interaction of program and electronics design, and timing/data throughput issues. An understanding of modern digital communications is desirable. It is anticipated that the candidate, while being a part of the electronics faculty, would work closely with the Center for Research in Wireless Communications (www.clemson.edu/crwc).

4) Michelin Chair of Vehicular Electronics: The chair holder's research activities will be focused on an area of electrical engineering that has application to vehicular electronic systems. Relevant specializations include (but are not limited to) electronic circuits and sensors, signal and information processing, communications, applied electromagnetics, and embedded and intelligent systems. For additional information, please see www.ece.clemson.edu/ece/openings_endowed_ICAR.shtml

Candidates should hold a Ph.D. degree in Computer Engineering, Electrical Engineering, or a closely related field and should have high potential for establishing a sustained research program and for quality teaching. The individuals selected will be expected to contribute to both new and ongoing research programs at Clemson and to teach both undergraduate and graduate courses. A detailed description of the Department is available at http://www.ece.clemson.edu. Send resume and names and addresses of five references to Chair, Holcombe Department of Electrical and Computer Engineering, 105 Riggs Hall, Clemson University, Clemson, SC 29634-0915. Evaluation will begin October 1, 2004, and will continue until the positions are filled. Applications received by November 30, 2005 will be assured full consideration.

Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, or veteran's status. Individuals who contribute to building a diverse community, including minorities, women, and persons with disabilities, are strongly and specifically encouraged to apply.