Rolls-Royce Doctoral Student Fellowship Program

The School of Engineering and Applied Science at the University of Virginia is seeking applications for Rolls-Royce Doctoral Student Fellows. The purpose of this award is to support outstanding PhD students in pursuit of research and scholarship on topics of interest to Rolls-Royce, the University of Virginia, and other partners. Each Rolls-Royce Doctoral Student Fellow will be supported for up to three years and will receive an annual stipend of $30,000, full tuition and fees, health insurance, and an annual travel budget of $2,500.

Background: The University of Virginia, Virginia Tech, Rolls-Royce, and the Commonwealth of Virginia have entered into an innovative strategic partnership to define the next generation of power systems for aerospace, energy, and marine applications. Examples of the partnership include the creation of the Commonwealth Center for Advanced Manufacturing and the Commonwealth Center for Aerospace Propulsion Systems, which are being developed jointly by the University of Virginia and Virginia Tech. Such initiatives will serve as focal points for strong interdisciplinary collaborations between industry, government, and academic organizations.

Rolls-Royce Doctoral Student Fellows are expected to enroll in doctoral programs in the School of Engineering and Applied Science. Technical areas of interest include, but are not limited to: next-generation materials, coatings, and thin films; electrochemistry, including corrosion and high-temperature oxidation; propulsion; combustion; machine controls and mechatronics; computational fluid dynamics; energy storage; manufacturing systems; thermal management; mechanics; and multi-functional materials.

Selection Criteria: Applications are limited to new incoming Ph.D. students or current outstanding MS students interested in pursuing a PhD. Students should have strong academic credentials and aptitude for research, as evidenced by performance in coursework, research experience, and letters of support. Financial need is not a criterion used in the evaluation of nominations. While selected students will be encouraged to interact with Rolls-Royce Research Centers worldwide, a significant portion of award-relevant research will be performed at the University of Virginia.

Application Package: Interested students should apply on-line to the School of Engineering and Applied Science (http://www.seas.virginia.edu/admissions/graduate.php). The application should clearly state the student’s interest in being considered for a Rolls-Royce Doctoral Student Fellow.

Submission Deadlines: Application materials must be completed on-line by January 15, 2012. We anticipate announcing award recipients by March 31, 2012.

About the University: The University of Virginia is one of the top-ranked public universities in the United States, with strong synergy between science and engineering and internationally-recognized programs in law, business, medicine and education. The University is centrally located within easy driving distance of the Washington DC area, in the foothills of the Shenandoah Mountains. Charlottesville is an energetic, vibrant community with many cultural and entertainment attractions that complement a rich intellectual environment. Additional information on the School and University may be found at http://www.virginia.edu.

The University of Virginia is an equal opportunity/affirmative action employer committed to developing diversity in its student population and particularly invites applications from women and minority candidates from under-represented groups.