

UNIVERSITY OF CALIFORNIA, IRVINE

As part of a strategic growth initiative, the University of California, Irvine is establishing an *Aerospace Engineering Program of Excellence*, targeted to advance to top national ranking. The Program is building on the strength of the current aerospace faculty, which includes four members of the National Academy of Engineering and one member of the National Academy of Sciences. We are seeking to add two faculty members to our program. The first one will conduct research in the area of Aerospace Structures/Solids/Materials. The second will work either in Aerospace Structures/Solids/Materials or in Aerospace Systems. Sub-areas of particular interest are described below. Applicants must have an earned Ph.D. in aerospace engineering, mechanical engineering, or a closely related field. Successful candidates will be expected to maintain an independent research program with major national and international impacts and to contribute to our B.S., M.S., and Ph.D. programs by teaching courses and performing other academic duties. They must show credentials that will strengthen and advance our *Program of Excellence*, as well as contribute to the local community of scholars. The two positions can be at the assistant or associate professor level, but exceptional more senior applicants will be considered.

Aerospace Structures/Solids/Materials. We seek candidates with proven interest in conducting cutting-edge experimental research in one or more of the following areas: light-weight and multifunctional materials and structures, novel composite materials (including functionally graded materials), self-healing materials, damage tolerance and durability, multi-scale material and structural mechanics, structural health monitoring, nondestructive evaluation, unmanned aerial vehicles (UAV) and/or micro aerial vehicles (MAV).

Aerospace Systems. We seek candidates who have demonstrated leadership in the synthesis of a complex aerospace engineering system and have in-depth expertise in a traditional aerospace discipline. The synthesis could involve a single aerospace vehicle or a system of vehicles. Several examples are: a hypersonic vehicle that requires the integration of diverse advanced technologies, tensegrity structural systems for space, a long endurance and/or small scale uninhabited air vehicle (UAV/MAV) and systems thereof, and multi-vehicle coordination and guidance/control in complex missions.

To ensure full consideration for the first round of interviews, **applications should be received by January 31, 2009.** The search will continue until the positions are filled. Applications must be submitted electronically at <https://recruit.ap.uci.edu>. Candidates should submit a brief statement of teaching and research interests including the expected impacts, a resume, copies of three principal publications, and the names, addresses, emails, and telephone numbers of three references. Information about the department can be found at <http://mae.eng.uci.edu>.

Professor Roger Rangel, Department Chair
Aerospace Engineering Program of Excellence Search
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The University of California, Irvine is an equal opportunity employer committed to excellence through diversity, has an active Career Partners Program and a National Science Foundation ADVANCE gender equity program.