Faculty Associate – Learning Support Systems  
AD-1701-03  
Department of Mechanical and Aerospace Engineering  
Naval Postgraduate School, Monterey, CA

The Mechanical and Aerospace Engineering (MAE) Department of the Naval Postgraduate School is inviting applications for a Faculty Associate position to provide the maintenance, operation, update, and improvement of various aerospace engineering laboratories that support graduate-level instruction and research in the department; support faculty in teaching courses and students performing thesis research using these laboratories; and the effective management and maintenance of Aerospace Engineering building space that house laboratories. The instructional laboratories that are of particular interest for this position are the Fleet Satellite Communications System (FLTSATCOM) Laboratory, consisting of a communications satellite; the Spacecraft Design Laboratory, and the Segmented Mirror Telescope Laboratory, consisting of a 3 meter space telescope. These unique and state-of-art laboratories require advanced graduate level knowledge and engineering skill in multiple disciplines such as complex electronics, mechanical systems, optical systems, computer aided design tools, and testbed development.

In order to perform the duties, the applicant should possess technical knowledge and operation experience of US Navy FLTSATCOM satellite hardware and ground system using RT Logic Telemetrix T505S control center system and real-time OS/Comet software; technical knowledge and skills for 3D modeling and analysis using Siemens NX and Solidworks; technical knowledge of MATLAB/Simulink and ZEMAX/Optical Studio software for modeling, simulation, and analysis; technical knowledge and experience in the operation of complex optical equipment such as, segmented mirror telescope, Zygo interferometer, 4D interferometer, deformable mirrors, and wavefront sensors. This position also requires knowledge and ability to give lectures for graduate level courses and support thesis students using these laboratories. Position requires minimum of M.S. degree and preferably Ph.D. degree in Aerospace or Electrical engineering or closely related engineering discipline. At least three years of hands-on experience in working in similar laboratories is mandatory. The ability to obtain a security clearance is also required.
Applications should be received by 1 May 2016 and include a curriculum vitae, writing sample, summary of available teaching evaluations, and three letters of recommendation. Please address the applications to:

Garth V. Hobson  
Professor and Chair  
Department of Mechanical & Aerospace Engineering  
700 Dyer Road, Bldg 245 – Watkins Hall, WA-338  
Naval Postgraduate School  
Monterey, CA 93943  
TEL: 831-656-2586/831-656-2888  
www.nps.edu/mae  
gvhobson@nps.edu

Salary is commensurate with qualifications and experience. Relocation package, including recruitment/relocation incentive may be authorized. The position will remain open until filled.

Foreign Education must be evaluated for U.S. equivalency upon selection. Applicants with foreign education will be required to contact the Foreign Credential Evaluation services.

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