Research Assistant Professor,  
AD-1701-03  
Department of Mechanical and Aerospace Engineering  
Naval Postgraduate School, Monterey, CA

The Mechanical and Aerospace Engineering Department of the Naval Postgraduate School is inviting applications from electron Microscopy Specialists to fulfill a Research Faculty position to support the research and development of a variety of materials including metals, ceramics, carbon-based materials and composites. The position will be focused on the operation of several advanced characterization techniques, including fully equipped Scanning Electron Microscope and Transmission Electron Microscope. Responsibilities of the position include the maintenance and upkeep of these complex analytical instruments. The applicant should possess operational expertise with SEM, FIB, TEM lamellae preparation, TEM operation including STEM methods, high resolution TEM and analytical techniques such as EDS, EBSD, EELS and EFTEM. The candidate for the position must be able to perform sample analysis with minimal direction and/or oversight from technical principal investigators. The candidate must also be able to collect, assimilate, and interpret data for technical principal investigators and write technical reports to document results. The position description includes also the coordination of all services required to keep instruments operational, the procurement of all consumables for the microscopy lab and to carry out all the routine maintenance tasks. A PhD in Materials Science or a closely related field is required. A few years of hands-on experience with current state-of-the-art instrumentation and techniques in the area of electron microscopy (SEM, TEM, STEM, EFTEM and FIB) is mandatory. The ability to teach a course related to Advanced Materials Characterization techniques will be highly valued. In addition, the candidate is expected to train Masters level students to use instruments and help them with data analysis. The ability to obtain a US security clearance is mandatory.

Applications should be received by 1 April 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.

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