Senior Lecturer and Lecturer Positions

The Department of Mechanical Engineering (ME) at the University of Maryland, Baltimore County (UMBC) invites applications for two non-tenure track position at the rank of Lecturer or Professor of the Practice (PoP) with an emphasis on either Dynamic Systems and Design (DSD) or Solid Mechanics/Material Science (SMMS). Candidates will be responsible for teaching upper level undergraduate Mechanical Engineering courses. The work location will be at the Universities at Shady Grove (USG), located in Rockville, Maryland, approximately 25 miles from the UMBC campus in Catonsville, MD. We will be offering our undergraduate degree at the Universities at Shady Grove starting Fall 2022. Although the positions will focus on teaching classes in DSD or SMMS, highly qualified candidates in related areas are also encouraged to apply. Successful candidates will also be responsible for leading our senior capstone design class, advising student teams, developing senior elective courses and advising undergraduate research. The preferred starting date for the position is May 1, 2022.

The minimum qualification is a M.S. in mechanical engineering or a closely related discipline. Candidates who have had a non-academic career with industrial experience and a commitment to teaching are encouraged to apply. Experience in academia, industry, and/or government will be considered in the evaluation of the candidate. Ideal candidates will have evidence of strong course management skills, and knowledge and/or experience with ABET accreditation and ready to prepare and lead undergraduate laboratory experiences.

The Lecturer/Senior Lecturer position is renewable. The lecturer/senior lecturer teaches a wide range of courses at the undergraduate level, advises students, mentors teaching assistants, and helps shape departmental practices and policies. Upper level courses for DSD position include but are not limited to (ENME360 Vibrations, ENME 403 Automatic Controls, ENME 482L Vibrations Controls Lab, ENME 444 Capstone Design). Upper level courses for SMMS position include but are not limited to (ENME 301 The Structure and Properties of Engineering Materials, ENME 304 Machine Design, ENME 332L Solid Mechanics and Materials Lab, ENME 444 Capstone Design). The lecturer is expected to continue their professional growth and will have the opportunity to be promoted through the ranks of Senior Lecturer and Principal Lecturer. While the work location is at USG, the successful candidates are an integral part of the Mechanical Engineering Department, enjoying full privilege and benefits as faculty colleagues at the Catonsville campus. The USG program will be accredited by ABET along with the program at the Catonsville campus as one single BSME program. See https://me.umbc.edu/ for more information on our program

The ME department currently consists of about 25 faculty members (including 15 tenured or tenure track faculty, professors of practice, lecturers, and adjunct faculty), approximately 590 undergraduate majors and 70 full-time graduate students. The faculty are engaged in a broad effort to provide high quality education, by continuous improvement of the curriculum, by fostering student research, practical training, and internship, by promoting diversity and inclusion at all levels, and by providing all students with opportunities for peer-support, mentoring, and financial assistance. ME is actively partnering with the Society of Women Engineers (SWE), the National Society of Black Engineers (NSBE), the Society of Hispanic Professional Engineers (SHPE), and the UMBC Center for Women in Technology (CWIT) to foster increased involvement of women, veterans, and other under-represented groups in engineering and technology-creation, at all levels. The department has a dynamic and vibrant graduate program that offers M.S. and Ph.D. degree programs in four thematic areas: Biomechanical Engineering, Dynamic Systems and Design (including Robotics, Control, and Autonomous Systems), Solid Mechanics, and Materials Science, and Thermal/Fluids Sciences. Successful candidates will find ample opportunity for collaboration, within the department, with other departments particularly Computer Science and Electrical Engineering, and/or with other nearby institutions and companies.

UMBC is a dynamic public research university integrating teaching, research and service. Since its inception, UMBC has stood for opportunity, diversity, and inclusive excellence. Times Higher Education recently ranked UMBC #3 in the nation for social and economic impact. We are a Minority serving institution. Its 500+ acre campus is located in a thriving prosperous region with excellent infrastructure. As an Honors University, UMBC offers academically talented students a strong undergraduate liberal arts foundation as preparation for graduate and professional study, entry into the workforce, and community service and leadership. UMBC is dedicated to promoting cultural and ethnic diversity, social responsibility, and lifelong learning. The 2022 US News and World Report Best Colleges report ranked UMBC 6th in the Most Innovative National Universities category and 6th in Best Undergraduate Teaching in the National Universities category. The Chronicle of Higher Education named UMBC as a Great College to Work For and distinguished its commitment to work-life balance. Our strategic location in the Baltimore-Washington corridor assures easy access to the resources of many federal laboratories, state agencies, and high-tech companies, and facilitates equipment-sharing and scientific collaboration.

UMBC at the Universities at Shady Grove is located in Rockville, MD in the heart of Montgomery County. With undergraduate and graduate programs available, UMBC-Shady Grove offers the academic reputation of UMBC in a convenient location with easy access to the government agencies, contractors and major healthcare organizations that call the area home. Students can begin to claim their future with internships and field placements, as well as the outstanding instruction for which UMBC faculty are known. As one of nine institutions at the Universities at Shady Grove, UMBC is part of a consortium of schools within the University System of Maryland, an arrangement which allows students to explore a wide range of outlooks and opportunities as they complete their UMBC degree.

Applications are accepted on Interfolio http://apply.interfolio.com/99156. The initial application consists of the candidate's i. curriculum vitae or resume, ii. a brief statement describing the candidate's

teaching experience and/or industrial experience related to design, experimentation, and report writing. Candidates should describe the pedagogy/methodology they will use to teach courses and manage multiple student capstone projects. iii. a statement describing the candidate's experience and commitment to inclusive excellence and description of the activities they would implement in this position to support inclusive excellence. Promising candidates will be asked to supply three letters of recommendation. For best consideration, submit all application materials by February 20, 2022. Applications will be accepted until the positions are filled. Questions regarding the positions or the application process may be directed to the chair of the search committee at mesearchLect@umbc.edu.

The Faculty Search Committee will organize a webinar from 12:00 PM to 1:00 PM on 01/18/2022 to answer questions from potential applicants. The webinar link is here.

UMBC is an Equal Opportunity/Affirmative Action Employer. Minorities, women, Veterans and individuals with disabilities are encouraged to apply.

As an institution that receives federal financial assistance, UMBC adheres to Title IX and does not discriminate on the basis of sex. For more information about Title IX and contact information for Title IX Coordinator, please visit https://oei.umbc.edu/policies-and-procedures/