OPEN FACULTY POSITIONS

POSITION SUMMARY:
The Materials Science and Engineering (MSE) Department in the College of Engineering at the University of Arizona invites applications for two full-time tenured or tenure-track Assistant/Associate Professor positions. The two positions will be in the broad areas of: (1) Quantum - advanced materials for quantum technologies; and (2) Advanced Manufacturing - semiconductor processing and packaging technologies. Preference will be given to candidates who can leverage the extensive microelectronics and advanced manufacturing ecosystem in the state of Arizona to build innovative research programs and support regional workforce development. Applications at the Associate Professor rank will be considered for exceptional candidates with a distinguished track record in publications and funding. The College of Engineering is currently undergoing a period of transformative growth with 85 new faculty hires planned for the next 5 years with advanced manufacturing and quantum science and technology being strategic priority growth areas.

Applications will be reviewed starting February 15, 2023 and will be accepted until the position is filled.

The new faculty members are expected to establish vibrant externally funded research programs that support graduate students and lead to strong scholarship. They will serve as key drivers and lead investigators for new federally and state-funded programs, industrial partnerships and collaborations that leverage faculty expertise in MSE and across the College of Engineering and the University.

DUTIES AND RESPONSIBILITIES:
The candidates are expected to play an active role in the teaching and mentoring mission of the MSE Dept., including in the development of undergraduate and graduate-level courses in advanced materials for quantum technologies or semi-conductor materials processing and packaging, engaging our traditional student population as well as nontraditional and online stakeholders to further regional interests in workforce development. Finally, the successful candidates will be expected to contribute to student mentoring, including student populations historically underrepresented in higher education, and to contribute to an environment that nurtures collaboration among associated disciplines across the College and University. The successful candidates will participate in outreach and contribute to departmental, college, and university service. In these, and other ways, the faculty member will help to develop innovative approaches to enhancing student engagement, increasing diversity, and expanding collaboration with community and industrial partners.

MINIMUM QUALIFICATIONS:
Candidates must have an earned doctoral degree in materials science and engineering or related field.

PREFERRED QUALIFICATIONS:
Candidates must have an earned doctoral degree in materials science and engineering or related field and some post-degree experience related to advanced materials for quantum technologies or semiconductor processing and packaging technologies

Required materials:
Applicants should include a CV, cover letter, research and teaching statement. The application should include a separate one-page statement on how the applicant's scholarship, teaching and service specifically address issues of race, social justice, and inclusive excellence in materials science and engineering.

Contact information for candidates:
Professor Krishna Muralidharan (krishna@arizona.edu)

Diversity Statement
At the University of Arizona, we value our inclusive climate because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, solving complex problems, and creating an inclusive academic community. As an Hispanic-serving institution, we translate these values into action by seeking individuals who have experience and expertise working with diverse students, colleagues, and constituencies. Because we seek a workforce with a wide range of perspectives and experiences, we provide equal employment opportunities to applicants and employees without regard to race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, or genetic information. As an Employer of National Service, we also welcome alumni of AmeriCorps, Peace Corps, and other national service programs and others who will help us advance our Inclusive Excellence initiative aimed at creating a university that values student, staff and faculty engagement in addressing issues of diversity and inclusiveness.