

MSE-Assistant/Associate/Professor Faculty Search (Job Requisition Number: R4892)

Job Description:

The Department of Materials Science and Engineering (MSE) at Iowa State University (ISU) invites applications for at least two tenure-track open rank, Assistant to Full Professor, positions in technical areas contributory to the MSE Department's education and research efforts. Areas of interest include ceramics, inorganic materials, polymers, or soft matter. Exceptional candidates may be considered for tenured ranks and/or endowed research chair/professorship positions.

The successful candidate will be expected to develop a vibrant research program, develop an innovative course portfolio at the undergraduate and graduate level in materials science and engineering, and engage in professional and institutional service and leadership. The MSE department and College of Engineering is committed to diversity, equity, and inclusivity that permeate its culture. Successful candidates will have an equal level of commitment to and appreciation for how diversity, equity, and inclusivity foster innovation.

All faculty members are expected to interact collegially and maintain the highest standard of integrity and ethics.

The candidate will have opportunities to engage in significant interdisciplinary collaborations on the Iowa State University campus, including those offered by the Ames Laboratory (www.ameslab.gov) which includes the Sensitive Instrument Facility, the Materials Preparation Center, and the Critical Materials Institute; the Center for Nondestructive Evaluation (www.cnde.iastate.edu); the Center for Advanced Nonferrous Structural Alloys (<https://canfsa.org>); Nanovaccine Institute (<https://www.nanovaccine.iastate.edu/>); the National Science Foundation Engineering Research Center for Biorenewable Chemicals (www.cbirc.iastate.edu); the Bioeconomy Institute (www.biorenew.iastate.edu); ISU's Office of Biotechnology (www.biotech.iastate.edu); and the Microelectronics Research Center.

Department Information

The Department of Materials Science and Engineering has 28 faculty members among which are a member of the National Academy of Engineering, a Nobel Prize winner, and 3 members of the National Academy of Inventors. The Department of Materials Science and Engineering has ~200 undergraduate students and ~55 graduate students. Sponsored research expenditures of the department are over \$13M per year.

Required Qualifications

- Candidates for this position must hold a Ph.D. in materials science or a closely related field. The Ph.D. must be conferred by employment start date.
- Associate Professor candidates must meet the university standards for appointment to the rank including significant experience/accomplishments in the candidate's area of expertise.
- Full Professor candidates, in addition to the above, will have demonstrated research and teaching accomplishments and the potential for continuing excellence in both research and teaching commensurate with the level of the rank granted.

Preferred Qualifications

- Experience and/or training commensurate with teaching graduate and undergraduate courses in materials science or a related area.

- B.S. and/or M.S. in materials science and engineering or a closely related field.
- Significant and demonstrated research in materials science and engineering, especially in the areas of interest include ceramics, inorganic materials, polymers, or soft matter.
- Demonstrated experience in writing, submitting, and administration of research proposals for state, federal, non-profit and/or industrial sponsors.
- Experience in university-level teaching at the undergraduate and graduate levels, especially in the areas of interest include ceramics, inorganic materials, polymers, or soft matter.
- Experience in supervising research of graduate and undergraduate students.
- Significant industrial collaborations/experience in a related area.
- Evidence of a commitment to diversity and inclusion.

Proposed Start Date:

July 1, 2022

Application Instructions:

Applications will be accepted until the position is filled. However, applications will begin to be reviewed on October 1st, 2021. The hiring department is expecting the position to have a start date 8/16/2022. All interested, qualified persons must apply for this position online at jobs.iastate.edu. Please be prepared to enter or attach the following:

- 1) Resume/Curriculum Vitae
- 2) Letter of application/Cover letter
If your career has been impacted by the COVID pandemic and/or other event(s), please feel free to describe this in your Cover letter.
- 3) Contact information for three references, including name, address, e-mail address and phone number
- 4) Please provide one document containing a statement for each of the following:
 - Teaching philosophy, experiences, and interests, especially of those courses in our department (not to exceed one page).
 - Research interests and experiences as well as a vision for future research (not to exceed three pages)
 - Your strategies to support diversity, equity, and inclusion (not to exceed one page)
- 5) A minimum of one, and not more than three, representative refereed conference or journal publication(s).

https://isu.wd1.myworkdayjobs.com/en-US/IowaStateJobs/job/Ames-IA/Assistant-Associate-Full-Professor-1_R4892

If you have questions regarding this application process, please email employment@iastate.edu or call 515-294-4800 or Toll Free: 1-877-477-7485.

Inquiries regarding this position may be directed to Steve W. Martin (swmartin@iastate.edu) or Martin Thuo (mthuo@iastate.edu).