

## Post Doctoral Research in High Temperature Composites University of Tulsa

Direct Link: <https://www.AcademicKeys.com/r?job=235383>

Downloaded On: Jul. 3, 2024 1:49am

Posted Apr. 30, 2024, set to expire Aug. 30, 2024

<b>Job Title</b>	Post Doctoral Research in High Temperature Composites
<b>Department</b>	Mechanical Engineering
<b>Institution</b>	University of Tulsa Tulsa, Oklahoma
<b>Date Posted</b>	Apr. 30, 2024
<b>Application Deadline</b>	Jul. 30, 2024
<b>Position Start Date</b>	Aug. 1, 2024
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Structural Engineering Polymer Science Mechanical Engineering Material/Metallurgy Engineering Physics Engineering Mechanics Chemical/Petroleum
<b>Apply By Email</b>	<a href="mailto:mwkeller@utulsa.edu">mwkeller@utulsa.edu</a>

### Job Description

The University of Tulsa Department of Mechanical Engineering is searching for a postdoctoral researcher to support our recently awarded a U.S. Department of Defense project to develop novel multifunctional SiC/C composites. This project will integrate materials synthesis and manufacturing with fracture mechanics, macro- and micro-scale materials characterization, and thermal property characterization. The results will be used to develop a broad understanding of the manufacturing and performance of these advanced high temperature materials.

## Post Doctoral Research in High Temperature Composites University of Tulsa

Direct Link: <https://www.AcademicKeys.com/r?job=235383>

Downloaded On: Jul. 3, 2024 1:49am

Posted Apr. 30, 2024, set to expire Aug. 30, 2024

### **Responsibilities Include:**

- Conducting experimental and computational research as it relates to developing novel high temperature composites.
- Integrating processing models using traditional and AI/ML approaches with experimental results.
- Overseeing graduate student research as it relates to project goals and meeting project milestones.
- Working with a diverse team of co-PIs, technicians, and graduate students.
- Writing reports and creating technical presentations.
- Presenting at conferences and leading publication efforts

### **Minimum Qualifications:**

Doctoral degree in engineering field. Strong project management skills and a superior publication record.

### **Preferred Qualifications:**

Experience with AI/ML methods for materials discovery.

Experience with experimental characterization of ceramic matrix composites.

### **Application:**

Please send your CV and cover letter to [mwkeller@utulsa.edu](mailto:mwkeller@utulsa.edu). This is a 1-year position with the possibility of renewal.

### **EEO/AA Policy**

The University of Tulsa is an EEO/AA employer.

### **Contact Information**

Please reference Academickeys in your cover letter when

## Post Doctoral Research in High Temperature Composites University of Tulsa

Direct Link: <https://www.AcademicKeys.com/r?job=235383>

Downloaded On: Jul. 3, 2024 1:49am

Posted Apr. 30, 2024, set to expire Aug. 30, 2024

applying for or inquiring about this job announcement.

**Contact** Michael Keller  
Mechanical Engineering  
University of Tulsa  
800 S. Tucker Dr.  
Mechanical Engineering  
Tulsa, OK 74104

**Contact E-mail** mwkeller@utulsa.edu