



Center	Applied Research Center for Metrology, Standards and Testing
Job Title	Post-Doctoral Research Fellow (CIVIL)
Job Description	<p>The Center has vacancies for Post-doctoral Research Fellows with good academic and research background in any of the following areas:</p> <ul style="list-style-type: none"> • Advanced building materials • Reinforcement corrosion • Concrete durability • Repair and rehabilitation of structures • Structural analysis <p>Preference will be given to applicants who have prior Post-doc experience, good research record and citations.</p>
Job Responsibility	<ul style="list-style-type: none"> • Contribute to the ongoing research projects in the center. • Conduct basic and applied research. • Publish findings or creative work. • Prepare research Technical Discussion Memoranda, proposal and reports. • Teaching courses, if required.
Qualification	<ol style="list-style-type: none"> 1. A Ph.D. degree in civil engineering with a focus on structures/materials. 2. In depth knowledge of structural analysis. 3. Well versed with test methods for evaluating building materials. 4. Knowledgeable of advanced analytical methods, such as XRD, XRF, SEM, FTIR, etc.
Post-Doctoral Fellow (Electrical)	
Job Title	Post-Doctoral Fellow (Electrical)
Job Description	<p>The Postdoctoral Research Fellow will lead and support advanced research in High Voltage Engineering and Power Systems at KFUPM, focusing on the design, testing, and optimization of high-voltage components such as insulators, cables, transformers, and switchgear. This position contributes directly to KFUPM's Grand Challenges, which align with national priorities such as reducing transmission and network losses to less than 2% by 2030 and developing control and adaptive protection strategies to ensure reliable and stable power transmission and distribution systems with 30% renewable energy penetration by 2030.</p> <p>The successful candidate will be involved in laboratory and field testing, modeling and simulation, standard compliance, and high-impact publishing. They will also engage in collaboration with academic institutions and industrial partners to advance sustainable, efficient, and resilient energy systems.</p>
Job Responsibility	<ul style="list-style-type: none"> • Contribute to the ongoing research projects in the center. • Conduct basic and applied research. • Publish findings or creative work. • Prepare research Technical Discussion Memoranda, proposal and reports. • Teaching courses, if required.
Qualification	<ol style="list-style-type: none"> 1. A Ph.D. degree in Electrical Engineering, Power Systems, High Voltage Engineering, or a closely related field 2. Ph.D. obtained from a university ranked in the Top 300 (QS World Rankings) 3. Strong background in high voltage systems, power electronics, or energy transmission networks

	<ol style="list-style-type: none"> 5. Demonstrated experience in experimental research, testing, and measurement techniques 6. Proficiency in simulation tools such as MATLAB, COMSOL Multiphysics, PSCAD, or ANSYS 7. Proven track record of research publications in reputable journals (e.g., IEEE Transactions) 8. Excellent communication skills and ability to work collaboratively in multidisciplinary teams <p>Strong analytical, problem-solving, and technical writing skills</p>
Job Title	Post-Doctoral Fellow (Mechanical)
Job Description	<p>The center has vacancies for post-doctoral research fellows in non-destructive testing with good academic and research background related to following areas:</p> <ul style="list-style-type: none"> • Ultrasonic non-destructive testing of structures/pipelines • Guided waves inspection in solid media • Structural health monitoring (SHM) for non-metallic structures/pipelines <p>Preference will be given to applicants with a good track record of publications and citations.</p>
Job Responsibility	<ul style="list-style-type: none"> • Contribute to the ongoing research projects in the center. • Conduct basic and applied research. • Publish findings or creative work. • Prepare research Technical Discussion Memoranda, proposal and reports. • Teaching courses, if required.
Qualification	<ol style="list-style-type: none"> 1. A Ph.D. degree in NDT, Mechanical Engineering, Aerospace Engineering or related fields. 2. Experience with EMAT testing and evaluation. 3. Proficiency in MATLAB/Python for signal processing & data analysis. 4. Expertise in Finite Element Modeling using Abaqus/COMSOL. 5. AI and ML with good experience in Python.