**Seeking Subject Matter Expert for   
Radon Testing, Remediation, Training, Course Development,   
and Installation and Certification of Radon Laboratory**

The Research Corporation of the University of Guam seeks a subject matter expert to install, test, calibrate and certify Guam EPA’s Radon Laboratory to meet the National Radon Proficiency Program Performance Test, and develop Guam specific curricula and certification and exams for radon measurement and radon mitigation, which includes the following:

1. Install, test, calibrate, and certify two (2) **Osprey Digital Tube Base MCA with S504C Osprey Digital Tube Base MCA**systems and all related ancillary equipment for Guam EPA’s Radon Laboratory;
2. Ensure the Guam EPA’s Radon Laboratory passes the National Radon Proficiency Program Performance Test;
3. Certify Guam EPA’s Radon Laboratory with National Radon Safety Board (NRSB) laboratory accreditation for a period of two (2) years;
4. Establish a Quality Assurance and Quality Control Program and Plan for Guam EPA’s Radon Laboratory
5. Provide Guam EPA with the most current Radon Software Program to calculate the radon canisters;
6. Train Guam EPA Air Pollution Control Program to operate the Radon Laboratory Equipment, Software Program, and implement the Quality Assurance and Quality Control Program and Plan; and
7. Provide Guam EPA with a Radon Measurement Course and Radon Mitigation Course and related examinations within nine (9) months of date of selection. The courses will include the following for radon measurement:

* US EPA protocols for placement and interpretation of radon and radon decay product measurements
* GEPA supplemental recommendations for conducting radon measurements on Guam
* Radon entry effects on Guam, relating to wind, rain, and seasonal variations
* Effect of air conditioning systems on radon decay products
* Basic physics of radon decay
* Health effects of prolonged exposure to radon and radon decay products
* Radon in water
* Overview of method for reducing radon and radon decay product exposures
* Hands-on experience with passive radon measurement devices (AC, ATDs, LS) and with active measurement devices (CRM, CWLM, EIC, E\_RPISU)

The subject matter expert will be selected based on the following qualifications:

1. Certified by the National Environmental Association’s National Radon Proficiency Program for both measurement and mitigation;
2. Must be a member of the Professional Organization on Radon such as the United States Environmental Protection Agency Radon Device Task Force;
3. Have the experience in the installation, calibration, certification, and training on the operation of Canberra Osprey Digital Tube Base MCA with S504C Osprey Digital Tube BaseMCA systems and all related ancillary equipment for Guam EPA’s Radon Laboratory and can provide documentation in support of such experience;
4. Have experience in measuring and mitigating homes and commercial buildings on Guam and/or mainland United States;
5. Have experience in writing radon curriculum specifically for Guam and/or the mainland United States;
6. Have direct field experience with installing active soil depressurization systems, HVAC modifications, and radon decay product measurements in Guam;
7. Have experience in having developed radon specific entry level and continuing education curriculum;
8. Have experience in developing video-based radon curriculum;
9. Have experience in developing methods for radon resistant construction both on Guam and mainland United States; and
10. Have presented and conducted workshops relating to Radon on Guam and/or the Pacific Islands;
11. Have experience in addressing radon issues related to real estate transactions from a curriculum development viewpoint;
12. Familiar with the Guam Building Codes;
13. A Ph.D.in theoretical physics or related field from a U.S. accredited institution.

**DEADLINE TO SUBMIT:**

**Qualified subject matter experts must email a letter of interest, curriculum vitae, copies of certifications and memberships, and a list of three professional contacts to** [**rcuoghr@triton.uog.edu**](mailto:rcuoghr@triton.uog.edu) **by midnight April 7, 2017. For more information contact Cathleen Moore-Linn, Interim Executive Director, RCUOG, at 671-735-0250.**