

Geophysics Specialist

Museum of West African Art

Job Overview:

The Museum of West African Art (MOWAA) is carrying out archaeological research in and around Benin City in partnership with international partners supported by the National Commission for Museum and Monuments (NCMM). Through this work, MOWAA is seeking to create a new understanding of the Benin Empire and its importance in the pre and post-colonial history of West Africa. As the Geophysics Specialist, you will be responsible for the collection and management of geophysical data using Ground Penetrating Radar (GPR) and other techniques during ongoing investigations and its fieldwork and research in Nigeria and West Africa more widely in the longer term.

As MOWAA's geophysical lead, the role requires experience and understanding of all forms of geophysical survey, most importantly Ground Penetrating Radar (GPR). You will be responsible for ensuring that all geophysical surveys are accurately located, typically using a total station tied into a known coordinate system or grid. Having collected the data, you will use appropriate software (e.g. GPR Slice) to analyze it and create clear outputs, including illustrated reports. You will also ensure that raw data and any interpretative datasets are securely and systematically stored on MOWAA's data storage systems (SharePoint, etc.). Additionally, you will undertake further training in different geophysical systems with project partners as necessary.

While the preference would be for a geophysicist with experience/knowledge of archaeological applications, we will consider applications from qualified geophysicists who are willing to learn about applying the technique in an archaeological context. This is an exciting opportunity for the right person to develop a West African center of excellence for archaeological geophysics.

Key Responsibilities:

Geophysical Survey:

- Manage, maintain, and operate geophysical equipment.
- Conduct surveys using multiple techniques (GPR, magnetometry, resistivity imaging).
- Coordinate projects and manage client interactions.
- Develop method statements setting out the approach to geophysical surveys.

Analysis & Reporting:

- Use geophysical software (GPR Slice, Res2DInv, Geosoft) for data processing and interpretation.
- Integrate geophysical data with archaeological and environmental datasets.
- Produce high-quality reports with detailed graphics and clear interpretations.
- Be familiar with GIS software and manage geospatial databases to enable the results of geophysical surveys to be imported into GIS formats.

Management and Storage:

- Ensure secure and systematic storage of geospatial data.
- Collaborate with the digital team on data management best practices.

- Work with MOWAA's digital team to agree on formats and locations for the short and long-term storage of geospatial data.
- Manage and develop geospatial databases in collaboration/cooperation with other members of MOWAA's digital team.

Career Growth & Development:

Joining MOWAA offers an opportunity to shape a growing organization, work on groundbreaking initiatives, and build a rewarding long-term career. The role is supported by global experts and institutions within MOWAA's extensive network. MOWAA has a strong culture of constant learning and invests in developing people. By joining MOWAA's team, you'll have an opportunity to play a part in the development of the MOWAA Institute, opening in November 2024.

Terms and Conditions:

- **Reporting Line:** Field Director/Head of Field Archaeology
- **Duty Station:** Benin City, Nigeria
- **Compensation & Benefits:** Highly competitive, subject to credentials
- **Start Date:** Immediate (from July 2024)
- **Contract Duration:** Full-time, rolling/indefinite position, subject to performance

Join us at MOWAA and be part of a vibrant institution that supports the advancement of knowledge, the growth of contemporary arts and the revival of West Africa's great artistic traditions.

To apply, submit your CV, cover letter to careers@wearemowaa.org by July 30, 2024. Kindly include "Geophysics Specialist" in the subject line. Enquires should also be sent to the same address.

Note: Only shortlisted candidates will be contacted for interviews. MOWAA is an equal opportunity employer and encourages individuals from diverse backgrounds to apply.