

ASESMANET: Africa-Europe Research Visits 2024

We are pleased to announce an open call for scientists based in Africa who are actively involved in electronic structure calculations and seeking funding to visit and conduct research in Europe-based research groups. The visit must commence in 2024, with the latest start date being November 2024.

About ASES MANET: ASES MANET (Atomistic Simulations, Electronic Structure, Computational Materials Science, and Applications: the African Network) is a network associated with The African School of Electronic Structure Methods and Application (ASESMA) [1].

Funding for this Africa-Europe program is generously provided by the Office of External Activities (OEA) of the Abdus Salam International Centre for Theoretical Physics (ICTP) in Trieste, Italy, in collaboration with the Centre Européen de Calcul Atomique et Moléculaire (CECAM), the National Centre for Computational Design and Discovery of Novel Materials MARVEL funded by the Swiss National Science Foundation, and the Psi-k network. These funds aim to facilitate robust scientific exchanges among researchers within Africa and to foster Africa–Europe interactions.

What the ASES MANET Africa-Europe funds will cover:

- Travel/flight tickets (from the African home country to the European host/collaborating country).
- Accommodation in the host country.
- Living allowance in the host country.

Who Should Apply? We invite applications from lecturers at institutions in African countries who conduct research in atomistic/molecular modeling. This includes individuals using electronic structure methods (DFT, HF, etc.) or sampling methods such as Monte Carlo and Molecular Dynamics in various fields such as Condensed Matter Physics, Materials Science, Computational/Quantum Chemistry, Quantum Dynamics, Computational Drug Design, and other related areas. Postdoctoral fellows and advanced post-graduate students at the doctoral level working in Africa are also encouraged to apply, with particular encouragement for women applicants.

How to Apply:

1. Fill out the Google Form provided below:

<https://docs.google.com/forms/d/1Ct7epjaWj3nykuphbydnri1F0cWviB4ogUoUy-3aZGU/edit?pli=1&pli=1>

2. Subsequently, send an email to asesmanet@eaiifr.org (cc: asesmanet@ug.edu.gh) with the following documents:

- a) A 1-2 page description of the research project to be undertaken at the host institution, including motivation, state of the art, research goals, methods to be employed, research plan, relevance for scientific progress, and reasons for selecting the hosting research group. Please email a PDF with the name: Your_Name_Proposal.pdf.

- b) A support letter from the hosting scientist, confirming that the host institution will provide the necessary infrastructure for the visitor to conduct research, specifying the proposed topic, and confirming the dates of the visit. This letter should be sent directly by the hosting scientist

to the email provided above. Additionally, the letter should describe the work of the hosting scientist relevant to the proposed project. Please email a PDF with the name: Your_Name_Support.pdf.

c) A CV of the applicant. Please email a PDF with the name: Your_Name_CV.pdf.

d) A CV of the hosting scientist. Please email a PDF with the name: Your_Host_Name_CV.pdf.

Alternatively, you may compile all these documents into a single PDF file and email it to asesmanet@eaifr.org (cc: asesmanet@ug.edu.gh) .

Deadline for Submission: The deadline for applications is **April 26, 2024**.

Contact for Additional Information: For further information, please contact: asesmanet@eaifr.org with a copy to asesmanet@ug.edu.gh.

Websites of Sponsors:

- <https://www.ictp.it>
- <https://www.cecarn.org>
- <http://nccr-marvel.ch>
- <http://psi-k.net>

[1] ASESMA is the African School of Electronic Structure Methods and Application, a bi-annual two-week school that brings together students from countries in Africa. For more information, visit <https://sites.google.com/site/asesmasite/> .