

**CALL FOR APPLICATIONS FOR  
FACULTY-STUDENT (FAST) TEAMS TO SPEND  
TWO (2) MONTHS DURING CALENDAR YEAR 2025  
AT PARTICIPATING ADVANCED LIGHT SOURCES**

**DEADLINE: 31 OCTOBER 2024**

The International Union of Pure and Applied Physics (IUPAP), the International Union of Crystallography (IUCr), and Abdus Salam International Centre for Theoretical Physics (ICTP) will award FAST Team grants to enhance advanced light source (AdLS) and crystallography sciences in eight (8) targeted regions of the world: Africa, the Caribbean, Mexico, South America, Central Asia, Southeast Asia, Middle East, and Pacific. The successful applicants will spend two (2) months during Calendar Year 2025 at LAAAMP's AdLS Collaborative Partners to acquire expertise in accelerator technology or AdLS beamline techniques, including those involving crystallography.

**Application Categories**

**Continuing**

Consists of applications from FAST Teams that are led by faculty who were previous New LAAAMP FAST Team Awardees, but not previous Continuation LAAAMP FAST Team Awardees.

**New**

Consists of all other applications.

**Who is Eligible under the New Category?**

**Faculty**

Employed as a full-time faculty member at an accredited Ph.D. granting university that is located in one of the targeted regions enumerated above.

Accompanied by one's Ph.D. student research advisee.

Interested in using AdLSs to further one's research and training endeavors.

Previous experience with using AdLSs is limited to a year or less.

Ability to spend two (2) months during Calendar Year 2025 as a full-time visitor in residence at an AdLS that is a LAAAMP Collaborative Partner.

**Student**

Registered as a full-time Ph.D. student at an accredited university that is located in one of the targeted regions enumerated above.

Accompanied by one's faculty research advisor.

Interested in using AdLSs in one's dissertation research.

Ability to spend two (2) months during Calendar Year 2025 as a full-time visitor in residence at an AdLS that is a *LAAAMP* Collaborative Partner.

### **Amount of Financial Support**

*LAAAMP* will provide 2,000 Euros per person to cover transportation costs. Any excess will be applied to accommodation and subsistence. The remainder of accommodation and subsistence should be negotiated with the host AdLS, which may or may not be able to provide support for local costs, and other sources of support. Please make sure you have prior written agreement before travelling to cover all costs from the sources available to you.

### **Deliverables**

Within one month after the conclusion of the visit to the host AdLS, the FAST Team should provide the following:

1. Maximum 10-page description of the research conducted, including any publications that result.  
***NOTE: All publications should acknowledge the support provided by IUPAP-IUCr-ICTP LAAAMP.***
2. Maximum 3-page report that evaluates the non-scientific aspects of the visit, including positive experiences as well as ways that visits could be enhanced in the future.

### **Who are *LAAAMP*'s AdLS Collaborative Partners?**

Advanced Light Source (USA)  
Advanced Photon Source (USA)  
ALBA (Spain)  
Australian Synchrotron  
Canadian Light Source  
DELTA (Germany)  
Elettra (Italy)  
European Synchrotron Radiation Facility (France)  
Max IV Laboratory (Sweden)  
National Synchrotron Light Source-II (USA)  
Photon Factory (Japan)  
Pohang Accelerator Laboratory (South Korea)  
SESAME (Jordan)  
Siam Photon Source (Thailand)  
Sirius Brazilian Synchrotron Light Source

Stanford Synchrotron Radiation Lightsource (USA)  
Taiwan Photon Source

### **To What Persons and Email Addresses Should Applications be Submitted?**

#### **Residents of Africa**

Professor Simon Connell  
University of Johannesburg  
Department of Mechanical Engineering Science  
Faculty of Engineering and the Built Environment  
Milpark, Johannesburg, 2006, South Africa  
Email: [shconnell@uj.ac.za](mailto:shconnell@uj.ac.za)

#### **Residents of the Caribbean**

Professor Keyla Soto Hidalgo  
University of Puerto Rico, Río Piedras Campus  
Department of Chemistry  
San Juan, PR 00931-3346  
Email: [Crcabrera@utep.edu](mailto:Crcabrera@utep.edu)

#### **Residents of Mexico**

Professor Matías Moreno  
Universidad Nacional Autónoma de México  
Instituto de Física  
Departamento de Física Teórica  
México  
Email: [matias@fisica.unam.mx](mailto:matias@fisica.unam.mx)

#### **Residents of South America**

Professor Sekazi K. Mtingwa  
Manager of the LAAAMP FAST Team Program  
Chair of LAAAMP Executive Committee  
Email: [sekazi.mtingwa@gmail.com](mailto:sekazi.mtingwa@gmail.com)

#### **Residents of Southeast Asia**

Dr. Wantana Klysubun  
Assistant Director for Academic Affairs  
Synchrotron Light Research Institute  
Email: [wantana@slri.or.th](mailto:wantana@slri.or.th)

#### **Residents of Central Asia**

Professor Davron Matrasulov

Head of Laboratory for Advanced Studies  
Turin Polytechnic University  
Tashkent, Uzbekistan.  
Email: [dmatrasulov@gmail.com](mailto:dmatrasulov@gmail.com)

**Residents of the Middle East**

Professor Kirsi Lorentz  
Science and Technology in Archaeology and Culture Research Center  
The Cyprus Institute  
Nicosia, Cyprus  
Email: [k.lorentz@cyi.ac.cy](mailto:k.lorentz@cyi.ac.cy)

**Residents of the Pacific Islands**

Professor Sekazi K. Mtingwa  
Manager of the LAAAMP FAST Team Program  
LAAAMP Executive Committee  
Email: [sekazi.mtingwa@gmail.com](mailto:sekazi.mtingwa@gmail.com)

**Note: Final funding is dependent upon suitable arrangements being made with a LAAAMP AdLS Collaborative Partner.**

# APPLICATION

**(Submit only one (1) Application for each FAST Team)**

## **Personal Information**

### **Faculty**

Name:

Title:

Department:

Institution:

Address:

Email:

Office Phone Number:

Mobile Phone Number:

Fax number:

Website:

### **Student**

Name:

Email Address:

Mobile Phone Number:

## Research Information

Please provide the information below:

1. Maximum two-page description of your research to be initiated or enhanced by the visit to the AdLS, identifying the specific AdLS, staff mentor, beamline and instrumentations to be utilized. Make clear whether this is a new research direction for you.
2. Note of acknowledgement from an AdLS staff member that she/he will serve in the role of mentor.

### **IMPORTANT!!!**

**This acknowledgement should be obtained and submitted with the application. Also, the first contact at an AdLS should be made with the contact person found at <https://laaamp.iucr.org/partners/adls>.**

3. Up to three (3) of the faculty's most significant publications.

Faculty's Electronic Signature:

Date:

Student's Electronic Signature:

Date: