

**SECOND CALL for APPLICATIONS by IUPAP-IUCr Lightsources
for Africa, the Americas & Middle East Project (LAAMP) for Faculty-
Student Teams to Spend Two (2) Months During Calendar Year 2018 at
Participating Advanced Light Sources**

DEADLINE: 15 NOVEMBER 2017

ICSU has awarded the International Union of Pure and Applied Physics (IUPAP) and the International Union of Crystallography (IUCr) a grant to enhance advanced light source (AdLS) and crystallography sciences in four targeted regions of the world: Africa, the Caribbean, Mexico and Middle East. Part of that funding will be allocated to send **Faculty-Student (FAST) teams** for two (2) months during Calendar Year 2018 to LAAMP's AdLS Collaborative Partners to participate in learning AdLS beamline techniques, including those involving crystallography.

Application Categories

Continuing

Consists of applications from FAST teams that are led by faculty who were 2017 New LAAMP Awardees. We anticipate up to eight (8) FAST teams in this category.

New

Consists of all other applications. We anticipate up to eight (8) FAST teams in this category.

Who is Eligible?

Faculty

Employed as a full-time faculty member at an accredited Ph.D. granting university that is located in Africa, the Caribbean, Mexico or the Middle East.

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 2018 as a full-time visitor in residence at an AdLS that is a LAAMP Collaborative Partner.

Student

Registered as a full-time Ph.D. student at an accredited university that is located in Africa, the Caribbean, Mexico or Middle East.

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 2018 as a full-time visitor in residence at an AdLS that is a *LAAMP* Collaborative Partner.

Amount of Financial Support

LAAMP will provide 1818 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 and other sources of support.

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.
All publications should acknowledge the support provided by IUPAP-IUCr LAAMP within the ICSU Grants Programme 2016-2019.
2. Maximum 3-page report that evaluates the non-scientific aspects of the visit, including positive experiences as well as ways that the visit could be enhanced in the future.

Who are *LAAMP*'s AdLS Collaborative Partners?

Advanced Photon Source (USA)
ALBA (Spain)
Canadian Light Source
DELTA (Germany)
ELETTRA (Italy)
European Synchrotron Radiation Facility (France)
National Synchrotron Light Source-II (USA)
Photon Factory (Japan)
SESAME (Jordan)
Stanford Synchrotron Radiation Lightsource (USA)

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
Resolution Circle, 8th Floor, South Annex
cnr Empire Road and Barry Hertzog Avenue
Milpark, Johannesburg, 2006, South Africa
Email: shconnell@uj.ac.za

Residents of the Caribbean

Professor Carlos R. Cabrera
University of Puerto Rico, Río Piedras Campus
Department of Chemistry
P.O. Box 23346
San Juan, PR 00931-3346
Email: carlos.cabrera2@upr.edu

Residents of Mexico

Professor Matías Morena
Universidad Nacional Autónoma de México
Instituto de Física
Departamento de Física Teórica
Edificio Marcos Moshinsky , 2º p. C-250
Ciudad Universitaria, Coyoacán, C.P. 04510
México
Email: matias@fisica.unam.mx

Residents of the Middle East

Professor Özgül Öztürk
Department of Physics
Universität Siegen
Siegen, North Rhine-Westphalia
Germany
Email: ozgulkurtulus@gmail.com

Note: Final funding is dependent upon suitable arrangements being made with a *LAAMP* 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.
3. Up to three (3) of the faculty's most significant publications.

Faculty's Electronic Signature:

Date:

Student's Electronic Signature:

Date: