

**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 June - December 2017 at**  
**Participating Advanced Light Sources**

**DEADLINE: APRIL 21, 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 teams for two (2) months during June - December 2017 to LAAMP's AdLS collaborative partners to participate in learning AdLS beamline techniques, including those involving crystallography.

**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 June - December 2017 as a full-time visitor in residence at an AdLS that is a LAAMP Collaborative Partner.

**Student**

Registered as full-time Ph.D. student at an accredited university that is located in Africa, the Caribbean, Mexico or the 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 June - December 2017 as a full-time visitor in residence at an AdLS that is a LAAMP Collaborative Partner.

### **Amount of Financial Support**

LAAMP 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 and other sources of support.

### **Deliverables**

At the conclusion of the visit to the host AdLS, the Faculty-Student 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](mailto:shconnell@uj.ac.za)

**Residents of 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](mailto:carlos.cabrera2@upr.edu)

**Residents of Mexico**

Professor Matías Morena  
Universidad Nacional Autónoma de México  
Instituto de Física  
Departamento de Física Teórica  
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Ciudad Universitaria, Coyoacán, C.P. 04510  
México  
Email: [matias@fisica.unam.mx](mailto: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](mailto:ozgulkurtulus@gmail.com)

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

# APPLICATION

(Submit only 1 Application for each Faculty-Student Team)

## Personal Information

### Faculty

Name:

Title:

Department:

Institution:

Address:

Email Address:

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: