

## CALL for APPLICATIONS

### Professional Development for High School Science Teachers at the Canadian Light Source

**DEADLINE: 15 APRIL 2021**

**Lightsources for Africa, the Americas, Asia, Middle East and Pacific (LAAAMP, <https://laaamp.iucr.org>)** is partnering with the **Canadian Light Source (CLS, <https://www.lightsource.ca>)** to offer a unique learning experience for high school science teachers as part of its **Educators' Science Projects 2021 (EdSciP, [https://www.lightsource.ca/professional\\_development](https://www.lightsource.ca/professional_development))**. One teacher will be selected from each of LAAAMP's targeted regions (Africa, the Caribbean, Mexico, Southeast Asia, Middle East and Pacific Islands) to attend a virtual Workshop hosted by the CLS. The Workshop will allow the teachers to meet scientists, learn about their research, participate in experiments, and incorporate the knowledge gained into their curricula. All activities will be offered free of charge. Since the language of the Workshop will be English, each teacher participating will be assigned a mentor from that teacher's geographic region who will assist with scientific concepts and any necessary translations. The CLS will offer duplicate sessions of the Workshop to accommodate the teachers' different time zones. Finally, it is anticipated that the Workshop will convene during Summer 2021, with the precise dates to be determined.

#### Strategy

The Workshop will combine chemistry, physics, and environmental sciences as the teachers explore the composition and characterization of soil samples from their respective regions to learn about their environment and how researchers analyze various kinds of materials. After the Workshop, the teachers will maintain a connection with the CLS as they teach what they have learned in their classes and gather teams of students to devise new experiments to be performed at the CLS as part of its Students on the Beamlines ([https://www.lightsource.ca/students\\_on\\_the\\_beamlines](https://www.lightsource.ca/students_on_the_beamlines)) Program.

#### Who is Eligible?

Anyone who is employed as a full-time science teacher at a high school (secondary school) that is located in Africa, the Caribbean, Mexico, Southeast Asia, Middle East or Pacific Islands, and is interested in joining an internationally renowned community of research scientists and engineers at the CLS.

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

### **Residents of Africa**

Professor Simon Connell  
University of Johannesburg  
Department of Mechanical Engineering Science  
Johannesburg, South Africa  
Email: 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

### **Residents of Mexico**

Professor Matías Moreno  
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 Southeast Asia**

Dr. Supagorn Rugmai  
Head of Research Facility  
Synchrotron Light Research Institute (SLRI)  
Muang District, Nakhon Ratchasima 30000, Thailand  
Email: supagorn@slri.or.th

### **Residents of the Middle East**

Dr. Kirsi Lorentz  
The Cyprus Institute  
Science and Technology in Archaeology Research Center  
Nicosia, Cyprus  
Email: k.o.lorentz@cyi.ac.cy

### **Residents of the Pacific Islands**

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

## **APPLICATION**

### **Contact Information**

Name:

Job Title:

Email Address:

Mobile Phone Number:

Name of School:

Address of School:

School Phone Number:

School Fax number:

School Website (if available):

### **Teaching Information**

What subject areas do you teach?

What age or grade levels are the students that you teach?

In return for attending this free project, we hope that you will share your experiences with colleagues. Please describe how you plan to do this.

Teacher's Electronic Signature:

Date: