



---

# OpenLab Vietnam

**IUCr - VLIR UOS - Bruker  
Hanoi University of Science and HNUE  
December 7-11, 2015**

Bruker AXS, Chemistry Dept. of Hanoi University of Science VNU and Hanoi National University of Education jointly organize an OpenLab. On the success of IYCr2014, the OpenLab Vietnam 2015 is held to continue an initiative of the International Union of Crystallography and UNESCO partnered by Bruker with the purpose of promoting crystallography in South-East Asia, covering crystallographic research and teaching.

## **Location: VNU University of Science**

### **7 December 2015**

Introduction and crystallization techniques  
Point and translation symmetry  
Space groups

### **8 December 2015**

X-ray sources  
X-ray diffraction  
Intensity of diffracted beams

### **9 December 2015**

Fourier synthesis  
Patterson techniques  
Refinement techniques

### **10 December 2015**

*Hands-on Training Session I:* Selection and mounting of crystals Data collection (Standard crystal)

*Theory and Practical Session I:* Data reduction + Refinement

### **11 December 2015**

*Hands-on Training Session II:* Selection and mounting of good-quality crystals

Data collection (Students crystal)

*Theory and Practical Session II:* Cambridge Structure Database; Validation

## **Tutors**

Prof. Luc van Meervelt, KU Leuven, Belgium  
Dr. Nguyen Bich Ngan, HNUE, Vietnam  
Dr. Nguyen Hung Huy, HUS-VNU, Vietnam  
Dr. Thanh-Ha Nguyen, Bruker AXS Singapore

**Venue:** HUS-VNU, Hanoi, Vietnam

## **Local Organizing Committee**

Assoc. Prof. Le Thanh Son (chair)  
Dr. Nguyen Minh Ngoc  
Assoc. Prof. Nguyen Hung Huy  
Dr. Nguyen Bich Ngan  
Dr. Nguyen Thi Bich Viet (secretary)

Please contact Dr. Bich Viet at e-mail [vietnb@hnue.edu.vn](mailto:vietnb@hnue.edu.vn) for registration.