



**X-TechLab**  
Bright solutions for Africa

### **X-TechLab workshop announcement**

We are pleased to announce that the 1<sup>st</sup> X-TechLab training session of the year 2020, in "Crystallography & X-Ray Diffraction Techniques" and "Tomography & Mathematical Engineering", will be held from 18 - 29 May 2020 at Agencę de Développement de Sèmè City - Cotonou, Benin Republic. The training is an intensive course on theoretical and practical aspects of small-molecule crystal structure determination by X-ray diffraction and the development of a novel approach that combines constitutive thermomechanical laws for heterogeneous materials with X-ray imaging techniques for materials engineering applications. It includes:

- crystal symmetry
- crystal diffraction: theory and experiment
- crystal growth techniques
- Genesis of an X-ray Tomography application
- Image correlation applied to solids mechanics

Participants will have the opportunity to collect data from their own crystals using **D8 QUEST BRUKER**.

This workshop is most suitable for **Master Degree & PhD students and Postdocs**. **This training session will be entirely taught in English. In crystallography, this session focuses on single crystal diffraction and participants are strongly encouraged to bring their samples.**

Participants from all countries will be considered. However, qualified applicants from African universities will be preferred. Online applications are open until 13 March, 2020. A total of 20 participants will be selected by training area. The selection results will be announced by 18 March, 2020. To apply, please follow this link: <https://urlz.fr/bxAQ>

For more informations visit our webpage at [www.xtechlab.co](http://www.xtechlab.co) or contact: +229 98 13 01 01

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We're looking forward to seeing you in Benin soon!

Stéphane Cyriel NEVIS

**X-TechLab Communication Manager**