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Our plan of schools and practical trainings to contribute to the African Light Source project

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Introduction

We would like to take part in to proceed and support the African Light Source project.

We had the schools for the SESAME staffs and users to study synchrotron sciences at the Middle East region several times. Many lectures were given on the fundamentals of synchrotron radiation, beamline diagnostics, and synchrotron experiments. There were also some tutorials to analyse data such as XRD, XPS, XRF, XAFS or others. In addition, researchers and students had come to Japan to study synchrotron radiation and to have practical trainings at synchrotron facilities.

We believe that these programs would be effective and useful to make the African Light Source project get forward. We hope you may get interested in these schools and practical trainings. Here, we would like to talk on the overview of the programs, and have collaborators to operate.

Our Plan Overview

The school on synchrotron radiation would be held once a year at an African institute. Lectures would be given widely on the fundamentals of synchrotron radiation, beamline diagnostics, and synchrotron experiments. We could accept about one hundred participants for the class.

Tutorial lessons to learn how to analyse data of synchrotron experiments would be also given. These tutorials would be operated in relatively small groups in order to make the lessons effective, and about fifty members could be acceptable.

We would invite researchers and students to Japanese synchrotron facilities to study synchrotron radiation and to have practical trainings of measurements. They could be stay a few month at maximum. These practical trainings would help them to become beamline scientists and leaders of synchrotron sciences at the African Light Source.

We are glad that collaborative researches will be performed.

Invitation to be collaborators

Collaborators at African nations are required to operate the program of the schools and practical trainings. We would like to apply to Japanese funding agencies to operate the programs, and some funding programs require collaborations of Japanese and African organizations. Also, collaborative researches should be carried out. Those who will be interested in our proposal, please contact me.

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