



**IUCr 2008**  
Osaka, Japan  
23-31 August 2008

**XAFS tutorials**  
Tsukuba Japan  
20-23th August 2008

IUCr 2008 Satellite Meeting

**XAFS tutorials for  
Crystallographers and  
Beginners**

**August 20-August 23,2008**

**KEK International Center**  
High Energy Accelerator Research Organization  
(KEK)  
Tsukuba, Japan

Organized by  
IUCr XAFS Commission  
Photon Factory, KEK-IMSS  
Precise Surface Material Division of the  
Catalysis Society of Japan  
[http://www.hucc.hokudai.ac.jp/~q16691/XAFS\\_tut.htm](http://www.hucc.hokudai.ac.jp/~q16691/XAFS_tut.htm)

**First Announcement**

**Registration and registration fee.**

Registration should be addressed to K.Asakura (CRC, Hokkaido University email: [askr@cat.hokudai.ac.jp](mailto:askr@cat.hokudai.ac.jp), FAX 81-11-706-9113) through email, by FAX or physical mail, which should include following information.

Name:

Title:

Affiliation:

Full mailing address and Country:

Email address, Tel and Fax:

Tuition fee is 30,000 yen(including accommodation, meal and Banquet).

All corresponding regarding XAFS tutorials for Crystallographers and Beginners should be addressed to:

Kiyotaka Asakura

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Sapporo 060-0811, Japan. Tel and Fax 81-11-706-9113

[askri@cat.hokudai.ac.jp](mailto:askri@cat.hokudai.ac.jp)

[http://www.hucc.hokudai.ac.jp/~q16691/XAFS\\_tut.htm](http://www.hucc.hokudai.ac.jp/~q16691/XAFS_tut.htm)

**Venue:**

The conference venue is the KEK International Hall of High Energy Accelerator Organization, Tsukuba (KEK; <http://www.kek.jp/intra-e/index.html>), Japan. The City of Tsukuba is a beautiful science city (<http://www.info-tsukuba.org/english/>) just on foot of Mount Tsukuba(877 m). It is located about 50 km northeast of Tokyo and 40 km northwest of Narita Airport. It covers an area of 28,000 ha with a population of about 200,000. KEK has several accelerators including storage rings for synchrotron radiation called as Photon Factory(PF,2.5 GeV) and PF-AR(6.5 GeV). Both can provide X-rays and are dedicated to material, environmental and biological sciences.

It can be easily reached from Akihabara Station in Tokyo using Tsukuba Express(1 hour) and route bus from Tsukuba Center station. Also you can get to Tsukuba Center station by a direct bus service from Narita Air Port.

## Invitation

XAFS(X-ray absorption fine structure) has been established as an important structure analysis tool for material-, bio-, environmental sciences and so on. It provides us structures of catalysts, enzymes and nanomaterials.

The combination of XAFS and diffraction techniques provides us important information. For example, the combination of low resolution X-ray diffraction and XAFS give equivalent results obtained using high resolution X-ray diffraction. The purpose of the Tutorial is to give the general introduction and analytical ways to crystallographers. The tutorials are open for those who just begin XAFS techniques. We heartily welcome your participation.

Kiyotaka Asakura

## Programs

**20th** August Arrive at Tsukuba,PF.

**21th**

9:00-9:50 A. Molenbroek Introduction\_

9:50-10:40 A. Michalowicz Analysis

10:40-11:00 Coffee break

11:00-11:30 Brief introduction to XAFS analysis program

11:30-12:30 Lunch

2:30-15:00 Practice of Program (RIGAKU REX)

15:00-15:20 Coffee break

15:20-16:10 M.Nomura Experiment

16:10-18:30 Tour to Photon Factory and PF-AR.

18:30-20:00 Dinner

**22th**

9:00-9:50 T.Fujikawa Theory

10:00-10:50 M.Nieuville FEFF\*

10:50-11:00 Coffee break

11:00-13:00 Practice of FEFF

13:00-14:00 Lunch

14:00-14:50 A. Trapananti GNXAS\*

14:50-15:40 R.Strange Bio XAFS

15:40-16:00 Coffee break

16:00-16:50 F. Boscherini XAFS and Material Physics

16:50-17:40 P.Fons Time resolved XAFS

18:00-20:00 Dinner

**23th**

Departure for Osaka 2008

\*FEFF and GNXAS are XAFS calculation programs as well as EXCURVE.

## Additional information

Additional information (traveling, accommodation, tuition) will be given by the 2<sup>nd</sup> circular or will be sent by email to a registered person.

## ACCESS TO KEK

