

First Circular
5th Collaboration Meeting on X-Band Accelerator Structure
Design and Test Programs

Dear Colleagues,

We are pleased to announce that the "5th Collaboration Meeting on X-band Accelerator Structure Design and Test Program" will be held at KEK in Tsukuba, Japan from May 16th to 18th, 2011.

This is the 5th of this meeting series to discuss various issues on the X-band accelerator structures. While the focus will be on high gradient applications such as at the CLIC, the meeting also deals with other applications which are emerging recently in many places.

This time, the usual format of our collaboration meeting will be extended by one day which is dedicated to breakdown issues, their understanding and suppression. In addition, the colleagues at the local host KEK would like to take this opportunity and to introduce you to the activities in Japan for realizing optimum surfaces by utilizing the state-of-the-art precision machining technologies.

Details and registration procedures are posted at the meeting site on CERN Indico, <http://indico.cern.ch/conferenceDisplay.py?ovw=True&confId=121634>.

Registration (from Feb. 28 to Apr. 30):

The registration to participate in the workshop can be made through the Indico 'Registration' page.

VISA:

Those of you who need visas to enter Japan should visit the Indico site

<http://indico.cern.ch/internalPage.py?pageId=2&confId=121634>

as soon as possible and send us your information listed there via e-mail to ml-highgrad@xband.kek.jp.

Accommodation:

The information is available also in the Indico page and we would encourage your own

effort to reserve the accommodation according to the instruction available at 'Accommodation' page. The rooms to be blocked from the evening of Sunday May 15 to the morning of May 19, at "Urban Hotel" for the workshop. The reservation can be made on a 'first come - first served' basis, within limited numbers of rooms.

The Meeting Indico page is linked to the hotel WEB site below where you can make your reservation with the special code, 5thXband.

http://www.489.jp/rwrs/evroom3/ecorp_login.php?smem_id=406

For directing any question, comment or request or in case of any difficulties in accessing the Indico, please send an email to the address below:

ml-highgrad@xband.kek.jp .

We are looking forward to seeing you all in May.

Sincerely,

Kenji UENO

5th X-band Meeting Chair

Meeting Outline

1. Dates: From May 16th to 18th, 2011

2. Place: Seminar Hall of the Building 4, KEK, Tsukuba, Japan

3. Organization:

Meeting Chair:

Kenji Ueno (KEK, Mechanical Engineering Center)

Organizing Committee:

Toshi Higo (KEK)

Sami Tantawi (SLAC)

Walter Wuensch (CERN)

Local Organizing Committee:

Shuji Matsumoto
Toshiyasu Higo
Yasuo Higashi
Kenji Ueno
Tetsuo Abe
Kazue Yokoyama
Toshikazu Takatomi
Yasuo Ajima
Tomiko Shirakata
Michiyo Oka
Tomiko Sudo

4. Information repository

We will use the CERN Indico for managing the meeting and for providing you with the meeting information. In case you have questions on the use of Indico, please contact ml-highgrad@xband.kek.jp

5. Sessions

Meeting consists of the following four sessions:

1. Plenary
2. Working on special topic
3. Poster discussion
4. Tour (ILC cavity manufacturing facility)
6. Topics to be covered

Following are the proposed topics to be discussed in each of the 1.5-hour sessions. The details of the topic organization and time slots are pending discussion and your inputs.

(1-AM1) Reviews of on-going high gradient studies in three regions

(1-AM2) Ideas and designs on accelerator structures for LC, other applications and HG studies

(1-PM1) HG study in practice, installation, analysis, damage, possible BD trigger, BDR evolution, etc.

(1-PM2) Poster presentation and discussion for any issues

(2-AM1) Breakdown physics, theory and simulations

(2-AM2) Basic studies such as DC breakdown study, field emission microscope,

surface modification and inspection

(2-PM1) State-of-the-art precision machining, in general, disk and quad/half, multi-material complex, etc.

(2-PM2) What kind of experiment and simulation is needed to understand breakdown and its trigger mechanism.

(3-AM1) Review and discussion on fabrication issues, CP, VAC bake, H2, EP, etc.

(3-AM2) Continued discussion on HG in practice following 1-PM1

(3-PM1) On-going and possible new collaboration, ideas and plans with high power facility consideration

(3-PM2) Summary discussions

7. Others

There is no workshop fee. We will serve you tea and coffee with cookies for the coffee breaks within the local budget. You can take lunch at the KEK restaurants on your own. We do not hold the banquet this time.

However, the Japanese colleagues at KEK have been volunteered to organize informal dinner sessions at local restaurants, and your cooperation and participation would be greatly appreciated.

For directing any question, comment or request, please send an email to the address below:

ml-highgrad@xband.kek.jp

Please give us any comment so that we start the actual preparations.

Kenji UENO (5th X-band Meeting Chair)