

Second Announcement of ICFA-HB2006
39th ICFA Advanced Beam Dynamics Workshop
“High Intensity High Brightness Hadron Beams”
EPOCHAL International Congress Center / Tsukuba City, Japan,
May 29-June 2, 2006

- General Information

The 39th ICFA Advanced Beam Dynamics Workshop, “**High Intensity High Brightness Hadron Beams, HB2006**”, will be held at the EPOCHAL International Congress Center in Tsukuba City, Japan, near KEK on May 29-June 2, 2006. This Workshop is co-sponsored by KEK and JAEA (previously JAERI).

The themes of this workshop follow closely those of the previously held two workshops in the same series: ICFA-HB2002 (April 8-12, 2002 at Fermi-lab, USA) and ICFA-HB2004 (October 18-22, 2004, in Bensheim, Germany), which cover a wide range of issues associated with high intensity hadron beams. This time, however, since the commissioning of SNS will be already started by the time of the workshop and the construction of J-PARC linac will be nearly completed, more emphasis on J-PARC and SNS will be made as on-going major projects of the hadron machines.

The first and the last days are devoted to the plenary sessions for opening, reviews and working group summaries. The middle three days are dedicated to the working activities. Parallel invited sessions will be held in the morning for each topic and will be moved to the working sessions for the same topic in the afternoon. The working sessions will contain organized discussions as well as contributed papers, which will be selected from submitted abstracts by the session conveners. We encourage submission of contributed oral talks to be presented in the working sessions. Workshop proceedings containing all invited and contributed papers will be published on the JACoW web site, as well as its hard-copies and CDs will be published from KEK.

Details of the HB2006 Workshop appear on the web at <http://hb2006.kek.jp/>.

Please direct all the inquiries concerning this workshop to the e-mail address of the workshop secretariat; hb2006@kek.jp Your e-mail will be forwarded to the most appropriate personnel for your inquiry.

Sincerely yours,

Yong Ho Chin (Co-chair, KEK): yongho.chin@kek.jp

Hiroshi Yoshikawa (Co-chair, JAEA): hiroshi.yoshikawa@j-parc.jp

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On behalf of the HB2006 Workshop Local Organizing Committee.

● Scientific Program and Workshop Schedule:

The first and the last days are devoted to the plenary sessions for opening, reviews and working group summaries. The middle three days are dedicated to the working activities. Two or three topics are picked up per day as the working subjects and a room will be allocated to each topic. Parallel invited sessions for those topics will be held in the morning and will be moved to the working sessions for the same topic in the afternoon. The working sessions will contain organized discussions as well as contributed papers, which will be selected from submitted abstracts by the session conveners. The J-PARC tour is planned in the afternoon of the last day. The Banquet will be held on Wednesday evening.

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Plenary	Invited Parallel	Invited Parallel	Invited Parallel	Plenary
PM	Plenary	Work Session.	Work Session.	Work Session.	Tour

The subjects of the working groups and the session conveners are as follows:

A. Beam Instabilities and their cures

Conveners: A. Burov (FNAL), F. Zimmermann (CERN).

B. Space-charge theory, simulations, and experiments

Conveners: S. Cousineau (ORNL), I. Hofmann (GSI).

C. Beam diagnostics, collimation, injection/extraction and targetry

Conveners: N. Mokhov (FNAL), M. Tomizawa (KEK), K. Wittenburg (DESY).

D. Beam cooling and intra-beam scattering

Conveners: A. Fedotov (BNL), I. Meshkov (Dubna), J. Wei (BNL).

E. High intensity linacs / Proton drivers

Conveners: W. Foster (FNAL), R. Garoby (CERN), B. Weng (BNL).

F. FFAG and other advanced accelerators and techniques

Conveners: W. Chou (FNAL), S. Koscielniak (TRIUMF), Y. Mori (Kyoto Univ.).

G. Commissioning strategies and procedures

Conveners: K. Hasegawa (JAEA), S. Henderson (ORNL), R. Schmidt (CERN).

- Tentative List of Invited Talks in the Plenary Session (Monday)
 - Approach to a very high intensity beam at J-PARC by Y. Yamazaki (JAEA).
 - Recent commissioning results of SNS by S. Henderson (ORNL).
 - Review of progress in FFAG accelerators by Y. Mori (Kyoto Univ.).
 - Comparison or survey of proton accelerators for high power applications by B. Weng (BNL).
 - ISIS upgrade by D. Findlay (RAL).
 - FAIR at GSI by a speaker to be decided.
 - Status and outlook of high intensity accelerator projects in China by J. Wei (BNL).
 - BNL upgrade by W. Fischer (BNL).
 - Beam intensity upgrade at Fermilab by Alberto Marchionni (FNAL) (to be confirmed).
 - LHC status by R. Schmidt (CERN).
 - CARE-HHH activities by F. Zimmermann (CERN).

The selection of invited talks for parallel sessions is now underway. The tentative list for the parallel invited talks will be published in the HB2006 web site (<http://hb2006.kek.jp/>) shortly.

- Submission of Abstracts for Contributed Papers

We encourage submission of contributed oral talks to be presented in the working sessions. Due to time limitations in the working sessions, the acceptance of contributed oral papers is subject to approval by the session conveners. The authors selected for presentation of contributed papers will be notified as soon as possible. The abstracts are currently accepted on the HB2006 website (<http://hb2006.kek.jp/>). Further details can be found in the "Abstract Submission" page. The deadline for the abstract submission for contributed papers is March 17, 2006.

- The Workshop Proceedings:

The ICFA Advanced Beam Dynamics Workshop series joined the JACoW in July 2005. Workshop proceedings containing all invited and contributed papers will be available on the JACoW web site, as well as its hard-copies and CDs will be published from KEK. Authors are requested to submit the paper in Postscript format (and other original files following the JACoW standard) and its camera-ready copy at the conference. Details for paper submission will be published on our website in due time.

- Technical Tour

J-PARC site tour will be conducted on Friday afternoon. J-PARC site locates in a coastal village of Tokai, which is one hour drive from Tsukuba city. Bus transportation will be available between J-PARC site and the workshop site. As the J-PARC facility locates in a JAEA site, the participants are requested to provide information required to fill out their "visit proposal" for JAEA. Details will appear on our web site in due time.

- The Registration Fee:

30,000 Yen (about 270 USD) for early registration

35,000 Yen (about 320 USD) for late registration

The banquet will be subsidized by companies and a local government. All the participants for the ICFA-HB2006 workshop are requested to make registration through our web site (<http://hb2006.kek.jp/>) before May 26, 2006. Online payment with a credit card is available on the website until May 12, 2006, after which only cash upon workshop will be accepted. Further details can be found in the "Registration" page on our website.

- The Workshop Site:

The ICFA-HB2006 workshop is held at EPOCHAL international congress center (<http://www.epochal.or.jp/english/index.html>) in Tsukuba-city, Japan near KEK. The workshop site is a few minute walk from Tsukuba Center, where a bus center and a new train station are located. The plenary sessions will be held at "Hall 200", and parallel and working sessions at "Meeting room 201" and "Meeting room 202". All the hall and meeting rooms is on the 2nd floor of the congress center.

- The Workshop Hotel:

We have booked a number of rooms at two workshop hotels, "Okura Frontier Hotel Tsukuba Epochal" and "Okura Frontier Hotel Tsukuba". Their website is

<http://www.okura-tsukuba.co.jp/english/index.html>

The former locates just next to the workshop site, and the latter locates at the Tsukuba center which is a few minute walk from the workshop site. The secured number of rooms and their room types are listed in the "Accommodation" page on our website. All prices are for room rates per night including tax and service charge, but no breakfast. The internet access (wired LAN) is available from each room for free of charge. Please make your reservation through the reservation form on the hotel web site. Further details on the workshop discount rates and reservation procedure can be found in the "Accommodation" page on our website.

- Social Events

- Welcome Reception on Monday Evening

A welcome reception will be offered at the workshop site starting at 18:00. All the attendances and the accompanying persons are welcome.

- Banquet on Wednesday Evening

The banquet on Wednesday evening will be a traditional Japanese feast at a nearby Japanese restaurant, Tsukuba Sansuitei, starting at 19:00. A shuttle bus service will be available between the workshop site and the restaurant. The banquet will be subsidized by companies and a local government.

- Travel Information

Tsukuba is a suburban city of the Tokyo Metropolitan area locating 50 km northeast of downtown Tokyo, and 40 km northwest of Narita International Airport. We have an Airport Bus service between Tsukuba and Narita International Airport. We also have a new train service which connects Tsukuba to Akihabara in 45 minutes. The train, called "Tsukuba Express", started running in August, 2005, which greatly improved the transportation between Tsukuba and Tokyo. Both the workshop site and the workshop hotels locate in the walking distance from "Tsukuba Center", where the bus terminal and the new train station are locating. Details are available on our website.

- Important Dates:

March 17, 2006: Deadline of the submission of abstracts for contributed papers

Late March, 2006: Commencement of the paper submission

April 28, 2006: Deadline of the early registration

May 12, 2006: Deadline of the online payment of the registration fee

May 26, 2006: Deadline of the online registration

May 29 - June 2, 2006: HB2006 Workshop in Tsukuba

June 2, 2006: Deadline of the submission of papers for the invited and contributed oral papers

- The List of Members of the International Advisory Committee:

Caterina Biscari (INFN)	Hitoshi Kobayashi (KEK)
Swapan Chattopadhyay (Jefferson Lab)	Alessandra Lombardi (CERN)
Yanlai Cho (ANL)	Yoshiharu Mori (Kyoto U.)
Weiren Chou (Fermi Lab)	Stephen Myers (CERN)
Jie Gao (IHEP)	Chris Prior (RAL)
David Gurd (ORNL)	Robert Ryne (LBL)
Ingo Hofmann (GSI)	Yuri Shatunov (BINP)
Stephen Holmes (FNAL)	Rainer Wanzenberg (DESY)
Roderich Keller (LANL)	Jie Wei (BNL)
In Soo Ko (PAL)	Yoshishige Yamazaki (JAEA)

- The List of Members of the Program Committee:

Rick Baatman (TRIUMF)	Trevor Linnecar (CERN)
John Barnard (LLNL)	Robert Macek (LANL)
Oliver Boine-Frankenheim (GSI)	John Maidment (DESY)
Romuald Duperrier (CEA)	Nikolai Mokhov (FNAL)
Alexei Fedotov (BNL)	Akira Noda (Kyoto U.)
William Foster (FNAL)	Peter Ostroumov (ANL)
John Galambos (ORNL)	Deepak Raparia (BNL)
Roland Garoby (CERN)	Lenny Rivkin (PSI)
Stuart Henderson (ORNL)	Thomas Roser (BNL)
Norbert Holtkamp (ORNL)	Francesco Ruggiero (CERN)
Hideaki Hotchi (JAEA)	Ken Takayama (KEK)
Susumu Igarashi (KEK)	Masahito Tomizawa (KEK)
Ioanis Kourbanis (FNAL)	Bill Weng (BNL)
Jean-Michel Lagniel (CEA)	Frank Zimmermann (CERN)

- The List of Present Members of the Local Organizing Committee:

Yong Ho Chin (yongho.chin@kek.jp): Co-chair
Hiroshi Yoshikawa (hiroshi.yoshikawa@j-parc.jp): Co-chair
Masanori Ikegami (masanori.ikegami@kek.jp): Vice-chair
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