

First 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. The subjects of the working groups may include

- A. Beam Instabilities and their cures
- B. Space-charge theory, simulations, and experiments
- C. Beam diagnostics, collimation, injection/extraction and targetry
- D. Beam cooling and intra-beam scattering
- E. High intensity linacs / Proton drivers
- F. FFAG and other advanced techniques
- G. Commissioning strategies and procedures

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 Program Committee and 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

Masanori Ikegami (Vice-chair, KEK): masanori.ikegami@kek.jp

On behalf of the HB2006 Workshop Local Organizing Committee.

- The list of members of the International Advisory Committee:

Caterina Biscari (INFN)

Swapan Chattopadhyay (Jefferson Lab)

Yanglai Cho (ANL)

Weiren Chou (Fermi Lab)

Jie Gao (IHEP)

David Gurd (ORNL)

Ingo Hofmann (GSI)

Stephen Holmes (FNAL)

Roderich Keller (LANL)

In Soo Ko (PAL)

Hitoshi Kobayashi (KEK)

Alessandra Lombardi (CERN)

Yoshiharu Mori (Kyoto U.)

Stephen Myers (CERN)

Chris Prior (RAL)

Robert Ryne (LBL)

Yuri Shatunov (BINP)

Rainer Wanzenberg (DESY)

Jie Wei (BNL)

Yoshishige Yamazaki (JAEA)

- The list of members of the Program Committee:

Rick Baatman (TRIUMF)

John Barnard (LLNL)

Oliver Boine-Frankenheim (GSI)

Romuald Duperrier (CEA)

Alexei Fedotov (BNL)

William Foster (FNAL)

John Galambos (ORNL)

Roland Garoby (CERN)

Stuart Henderson (ORNL)

Norbert Holtkamp (ORNL)

Hideaki Hotchi (JAEA)

Susumu Igarashi (KEK)

Ioanis Kourbanis (FNAL)

Jean-Michel Lagniel (CEA)

Trevor Linnecar (CERN)

Robert Macek (LANL)

John Maidment (DESY)

Nikolai Mokhov (FNAL)

Akira Noda (Kyoto U.)

Peter Ostroumov (ANL)

Deepak Raparia (BNL)

Thomas Roser (BNL)

Francesco Ruggiero (CERN)

Ken Takayama (KEK)

Masahito Tomizawa (KEK)

Bill Weng (BNL)

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

Kazuo Hasegawa (hasegawa.kazuo@jaea.go.jp)

Hiroyuki Sako (sako.hiroyuki@jaea.go.jp): Electronic publication of proceedings

Rumiko Enjoji (rumiko.enjoji@kek.jp): Secretary

- Scientific Program and Workshop Schedule:

The present plan of the program is as follows: 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 Program Committee and 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 may include

- A. Beam Instabilities and their cures
- B. Space-charge theory, simulations, and experiments
- C. Beam diagnostics, collimation, injection/extraction and targetry
- D. Beam cooling and intra-beam scattering
- E. High intensity linacs / Proton drivers
- F. FFAG and other advanced techniques
- G. Commissioning strategies and procedures

- 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 Program Committee and session conveners. The authors selected for presentation of contributed papers will be notified as soon as possible. The abstracts will be accepted from January 2006 (after our database server becomes ready). Further details on abstract submission will appear on this website in due time. 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.

- The registration fee:

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

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

Registration will be accepted after early February, 2006. Payment by a credit card via web will be available. Further details will appear on this website in due time.

- The Workshop Site:

EPOCHAL International Congress Center in Tsukuba City

<http://www.epochal.or.jp/english/index.html>

Plenary: Hall 200

Invited Parallels and Working sessions: Room 201B, 202A and 202B

- The Workshop Hotel:

A number of rooms were booked at Okura Frontier Hotel Tsukuba and Okura Frontier Hotel Tsukuba Epochal. Both of them are within walking distance from the Workshop Site.

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

Room charge for a single room - about 80 USD

Room charge for a twin room for two persons- about 150 USD

Both of them include tax and service charges but no breakfast.

The internet access is available from each room for free of charge. Breakfast not included.

Further details on the workshop discount rates and reservation procedure will appear on this website in due time.

- Important Dates:

Early October, 2005: Distribution of the 1st Announcement

January, 2006: Distribution of the 2nd Announcement

January, 2006: Commencement of acceptance of abstract submission

Early February, 2006: Commencement of the registration

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

April 28, 2006: Deadline of the early registration

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

June 2, 2006: Deadline of the submission of papers