

# Welcome to HB2008

**HB2008**

**42<sup>ND</sup> ICFA**

**ADVANCED BEAM DYNAMICS  
WORKSHOP ON HIGH-INTENSITY,  
HIGH-BRIGHTNESS HADRON BEAMS**

Loew's Vanderbilt Hotel ★ Nashville, Tennessee, USA  
August 25-29, 2008

HB2008, hosted by Oak Ridge National Laboratory, is the fourth workshop in the High-Intensity, High-Brightness Hadron Beams Series. The workshop focuses on

- ★ High-intensity proton and ion facilities, commissioning, performance, and projects
- ★ Beam dynamics of high-intensity linear and circular accelerators
- ★ Beam loss handling, modeling, and mitigation
- ★ High-brightness hadron beams
- ★ Beam instrumentation for high-intensity and high-brightness beams

**ICFA**  
**SNS**  
**OAK RIDGE**  
National Laboratory

Workshop Chair, Stuart Henderson ★ [shenderson@ornl.gov](mailto:shenderson@ornl.gov) Workshop Coordinator, Mary Ann Hensley ★ [hensleyma@ornl.gov](mailto:hensleyma@ornl.gov)

**NEUTRONS.ORNL.GOV/WORKSHOPS/HB2008**

# Layout

- Opening and Closing Plenary on Lobby Level
- Working Group Meetings on Mezzanine Level (Skylight Foyer)
- Poster Session Monday Evening in Skylight Foyer (posters will remain in-place all week)
- Internet Café: Hours—0800 to 1800—located in Branscomb
- Wireless available SSID = HB2008; no password



# Scientific Program

- A. Beam Dynamics in High-Intensity Circular Machines: theory, codes, simulations and experiments
  - Conveners: Rick Baartman (TRIUMF), Elias Metral (CERN), Giuliano Franchetti (GSI)
- B. Beam Dynamics in High Intensity Linacs: theory, codes, simulations and experiments
  - Conveners: Alexander Aleksandrov (ORNL), Ingo Hofmann (GSI), Jean-Michel Lagniel (GANIL)
- C. Accelerator System Design: injection, extraction, collimation
  - Conveners: Deepak Raparia (BNL), Sarah Cousineau (ORNL)
- D. Commissioning Strategies, Operations and Performance, Beam Loss Management, Activation, Machine Protection
  - Conveners: John Galambos (ORNL), Mike Seidel (PSI), Tadashi Koseki (KEK)
- E. High Intensity Linacs and Rings: New Facilities and Concepts
  - Conveners: Petr Ostroumov (ANL), Frank Gerigk (CERN)
- F. Beam Diagnostics and Instrumentation for High-Intensity Beams
  - Conveners: Manfred Wendt (FNAL), Takeshi Toyama (KEK)





# Non-Scientific Program







Nashville

LP Field

1.3 Miles

Restaurants



Centennial Park

Vanderbilt University

Baptist Hospital

Rose Park

Fort Negley

City Cemetery

Meharry Medical College

Fisk University

Watkins Park

Union St

Church St

1st Ave N

1st Ave S

Gateway Blvd

Hermitage Ave

South Park

Chestnut St

Edgemoor Ave

Reservoir Park

Blakemore Ave

West End Ave

31st Ave S

21st Ave N

West End Ave

Broadway

Edgemoor Ave

Edgemoor Ave

Edgemoor Ave

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# Conference Banquet

- Wednesday Evening, 7:00pm at Loews Vanderbilt, Symphony Ballroom III
- Guest Speaker:

*Prof. Kelly Holley-Bockelmann, “The Hunt for Supermassive Black Holes: Where They Live, What They Eat, and Why We Need Them”*





# SNS Tour

- For those who have signed-up for the SNS tour on Friday, we would like to reiterate that the SNS site, in Knoxville TN, **is approximately 2.5 hours from Nashville TN.**
- If you plan to attend, please be prepared for a long day, with departure scheduled for 12:30, and arrival back in Nashville at approximately 19:30.
- We suggest that you purchase a box lunch (sign-up at the conference office) which will be handed out aboard the bus



# Slides and Proceedings

- Please bring your powerpoint presentation on a thumb-drive to the Internet Cafe for uploading to the server the day before your scheduled presentation.
- The deadline for paper submission is September 19, 2008. This is a “hard deadline,” because the JACoW editorial team will be meeting shortly afterwards to edit the paper submissions.





# HB2008 Special Edition of PRST-AB

- HB2008 authors who (in addition to publishing in the conference proceedings) wish to submit for refereed publication are encouraged to consider submission of articles to a Special Edition of the online journal Physical Review Special Topics Accelerators and Beams (PRST-AB).
- Accepted papers, which relate to contributions of the HB2008 workshop, will be issued in a special edition of this journal.



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