International Beam Instrumentation Conference

Welcome!

September 14-18, 2014
Monterey
## Program

- **Two Tutorials**
  - “Managing EM interference”
  - “Dark Secrets or RF Design”
- **11 Invited talks**
- **19 Contributed Talks**
- **~160 Posters**
- **21 Exhibitors**
- **Time for discussions**
  - At posters
  - Exhibitors’ tables
  - Happy hours
• Reception Monday evening
  – Lower atrium 6:00- 7:00
• Reception Tuesday evening
  – honoring the Faraday Cup Award
  – 6:30 – 8:30
• Banquet Wednesday
  – In the ballroom
• SLAC Tours Thursday
  – Includes bus to SLAC
SLAC Tours Thursday

- Space is limited
- The tour involves a mile of walking.
- Everyone on tour will visit SPEAR-3 and LCLS
- Two choices for 3rd venue:
  - End Station B (laser acceleration, Xband linac)
  - Klystron Gallery Visitor Alcove (2 mile linac)
- Please reconfirm your reservation and select from the alternative venues at registration desk
- Busses leave here at 12:30 Thursday.
  - Thursday lunch is early!
- You may return to Monterey on the busses
  - Or depart from SLAC
SLAC is far: ~ 90 minute drive at least
Busses depart from here 12:30
Thursday lunch is early!
Decide well in advance whether you will return to Monterey after the tour or depart from SLAC
Busses will return here, arriving 8:00 PM or a little later. There will be snacks on the return busses
Presenters

- All talks are presented from the Conference computer
  - Upload your presentation 24 hours before your talk
  - Check your talk on the preview computer at registration desk

- Your papers and posters should have been uploaded already
  - Our editors are at work editing the proceedings
Lunch Places

- **Hotel**
  - Jack’s place
  - Peter B’s Brew Pub
- **Downtown**
  - Alvarado St.
  - Calle Principal
- **Fisherman’s Wharf**
- **Municipal Wharf**
- **Cannery Row** (long walk ~ 1 mile)
Faraday Cup

- The Accelerator Instrumentation Workshop was held at BNL in 1989, with the encouragement of Dick Witkover
  - The idea for the Award was born during the last day round-table discussion as a means of encouraging young engineers and physicists to become more innovative.

- The 1st Beam Instrumentation Workshop was held at the Fermi National Laboratory in 1990
  - Discussion between the organizing committee and Julien Bergoz on how to keep the Award fair and non-commercial was reached in 1991. The procedures for selecting the winner were written, primarily by Bob Shafer soon after and have remained virtually unchanged since.

- The clever name of the Award, referring to both a trophy and a measurement device, is attributed to Bob Webber.

- Bergoz has generously sponsored the award since it’s inception
Faraday Cup Award Rule

• Innovative Beam Diagnostic Instrument
  – Not just a measurement or concept

• Delivered Performance
  – It must used *(daily)* as a part of operation

• The work must be published
  – A description of the device, its operating principle, and its performance should have been published in a journal or in the proceedings of a conference or workshop that is in the public domain

• Preference for candidates early in their career
  – *not* intended to be a ‘life time achievement award’
Faraday Cup Award

- For this year 5 new submissions plus 4 carried over from 2012.
- The Program Committee heatedly debated the merits of 9 nominations for the 2014 Faraday Cup Award.
- All submissions were excellent in many of the criteria established for the Faraday Cup Award.
- Most were extremely good in some aspects on which we judged them.
- But we did not find any one nomination that met all of the criteria for the Faraday Cup, e.g. the work must be a beam diagnostic device, it must be novel, with proven, delivered performance, published, etc.
- Finding no single nomination that meets all our high standards, we chose to not award the Faraday Cup this year 😞
Faraday Cup Future

• The IBIC 2014 would like to thank Julien Bergoz for his generous support over the past 22 years!
  – Thanks for those great posters!

• Over the past couple years the BIW & DIPAC workshops have transitioned to the international conference IBIC
  – The associated program committees decided that the Faraday Cup should also rotate between the venues
  – The Faraday Cup competition, on a two-year cycle, will skip Asia next year, be held in Europe in 2016, then skip North America and be held in Asia in 2018 at the discretion of these program committees.

• The funding will no longer be exclusive, and is proposed to be a funded from the contributions of all vendors.

• Award determinations are solely the responsibility of the IBIC PC.