



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

Time	Sunday 09/14/14	Monday 09/15/14	Tuesday 09/16/14	Wednesday 09/17/14	Thursday 09/18/14	Time
7:30		Conference Desk (07:30-18:00)	Conference Desk (07:30-18:00)	Conference Desk (07:30-18:00)		7:30
8:00						8:00
8:15		Opening Remarks			Conference Desk (07:30-11:00)	8:15
8:20						8:20
8:25						8:25
8:30			Invited Talk #5 - Rhodri Jones (35 + 10 min)	Invited Talk #6 - Henrik Loos (35 + 10 min)		8:30
8:35						8:35
8:40		Invited Talk #1 - Marc Ross (35 + 10 min)				8:40
8:45						8:45
8:50						8:50
8:55					Invited Talk #11 - Nicoleta Baboi (35 + 10 min)	8:55
9:00						9:00
9:05						9:05
9:10						9:10
9:15						9:15
9:20						9:20
9:25						9:25
9:30			Tutorial #1 - Mike Gruchalla (60 + 10 min)	Tutorial #2 - Thomas H. Lee (60 + 10 min)	John Sikora	9:30
9:35		Invited Talk #2 - Kent Irwin (50 + 10 min)				9:35
9:40						9:40
9:45					Makoto Tobiyaama	9:45
9:50						9:50
9:55						9:55
10:00						10:00
10:05						10:05
10:10						10:10
10:15		Coffee Break	Coffee Break	Coffee Break	Coffee Break	10:15
10:30						10:30
10:35						10:35
10:40						10:40
10:45						10:45
10:50						10:50
10:55		Invited Talk #3 - Guenther Rehm (35 + 10 min)	Invited Talk #6 - Steve Lidia (35 + 10 min)	Invited Talk #9 - Manfred Wendt (35 + 10 min)	IBIC 2015, 2016, 2017 Announcements, Closing Remarks, Adjourn	10:55
11:00						11:00
11:05						11:05
11:10						11:10
11:15						11:15
11:20						11:20
11:25						11:25
11:30		Kees Bertus Scheidt	Ling-Ying Lin	Andreas Penlischke		11:30
11:35						11:35
11:40						11:40
11:45						11:45
11:50		Ryota Takai	Arpit Rawankar	Joe Mead		11:50
11:55						11:55
12:00					Lunch Break	12:00
12:05						12:05
12:10		Alexander Zhukov	Rasmus Ischebeck	Sergio Marques		12:10
12:15						12:15
12:20						12:20
12:25		Announcements	Announcements	Announcements		12:25

12:30					12:30
12:45					12:45
13:00	Lunch Break	Lunch Break	Lunch Break		13:00
13:15					13:15
13:30					13:30
13:45				Travel to SLAC (optional trip: allow 2 hours)	13:45
14:00					14:00
14:05					14:05
14:10					14:10
14:15	Invited Talk #4 - Weixing Cheng (35 + 10 min)	Invited Talk #7 - Gero Kube (35 + 10 min)	Invited Talk #10 - Dave Fritz (35 + 10 min)		14:15
14:20					14:20
14:25					14:25
14:30					14:30
14:35					14:35
14:40					14:40
14:45					14:45
14:50					14:50
14:55	Michele Casselle	Mitsuhito Masaki	Rene Gethner		14:55
15:00					15:00
15:05					15:05
15:10	Stephan Hunziker	Christopher Bloomer	Mark Boland		15:10
15:15				SLAC Tours	15:15
15:20					15:20
15:25					15:25
15:30					15:30
15:35	Michael Heuer	Adam Jeff			15:35
15:40			Coffee Break		15:40
15:45					15:45
15:50	Coffee Break	Coffee Break			15:50
15:55					15:55
16:00	Registration	Poster Session 1	Poster Session 2	Poster Session 3	16:00
17:00	Welcome Reception	Reception			17:00
18:00					18:00
18:30					18:30
19:00			Reception		19:00
20:00			Dinner Banquet		20:00



Program (2)

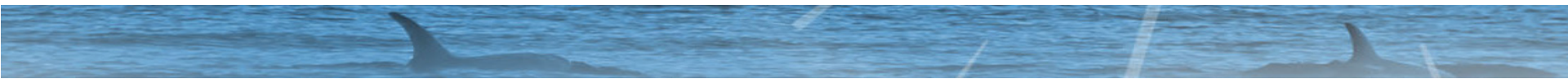
- Reception Monday evening
 - Lower atrium 6:00- 7:00
- Reception Tuesday evening
 - honoring the Faraday Cup Award
 - 6:30 – 8:30
- Banquet Wednesday
 - In the ballroom
- SLAC Tours Thursday
 - Includes bus to SLAC





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 Tour

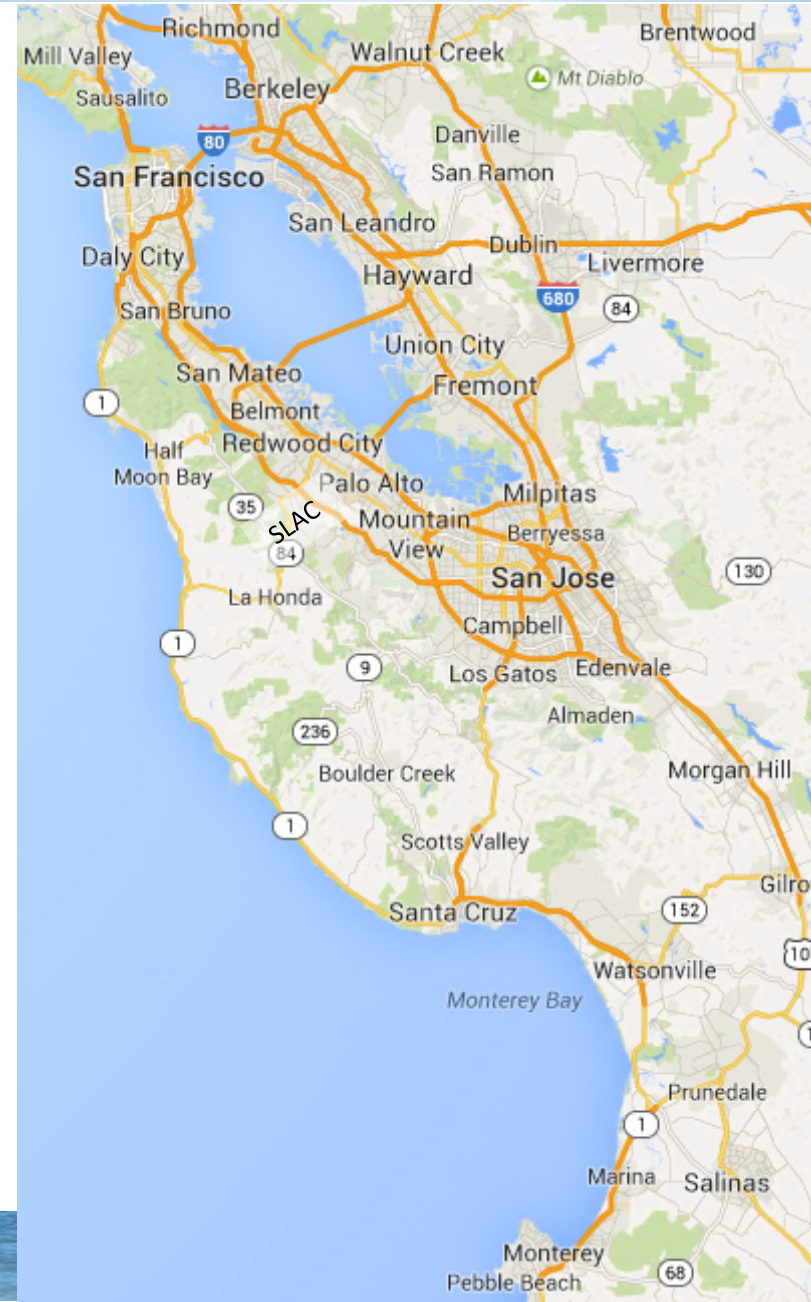
SLAC is far: ~ 90 minute drive at least

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 2014

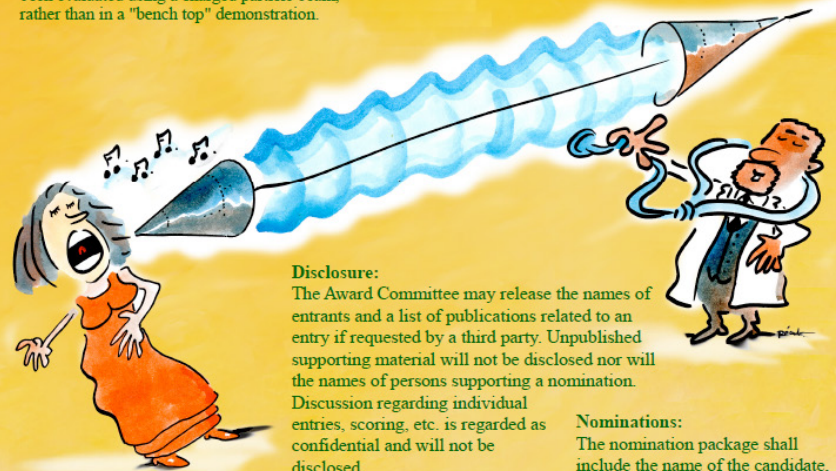
Beam Diagnostic Instrument:

A device to measure the properties of charged elementary particle, atomic or simple molecular beams during or after acceleration, or the properties of neutral particle beams produced in an intermediate stage of charged particle acceleration. The device may operate by detecting secondary beams of charged, neutral, massive or mass less particles. But its purpose should be to diagnose the primary charged particle beam. The mass of primary beam particles shall be no greater than the order of 1000 atomic mass units.

Delivered Performance:

The performance of the device should have been evaluated using a charged particle beam, rather than in a "bench top" demonstration.

Submission deadline February 28, 2014



Disclosure:

The Award Committee may release the names of entrants and a list of publications related to an entry if requested by a third party. Unpublished supporting material will not be disclosed nor will the names of persons supporting a nomination.

Discussion regarding individual entries, scoring, etc. is regarded as confidential and will not be disclosed.

Eligibility

Nominations are open to candidates of any nationality for work done at any geographical location. There are no restrictions for candidates, with the only exception that they cannot be members in charge of the IBIC Program Committee. In the event of deciding between works of similar quality, preference will be given to candidates in an early stage of their beam instrumentation career. The award may be shared between persons contributing to the same accomplishment. Once accepted by the Award Committee a nomination shall remain eligible for two successive competitions unless withdrawn by a candidate.

Nominations:

The nomination package shall include the name of the candidate, relevant publications, a statement outlining his/her personal contribution and that of others, letters from two professional accelerator physicist, engineers or laboratory administrative personnel who are familiar with the device and its development. To submit, follow instruction at http://www.faraday-cup.com/Submit_for_2014.html

Innovative Beam Instrumentation Award

Sponsored by Bergoz Instrumentation



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.

