



Sixth International “Hiroshima” Symposium on the Development and Application of Semiconductor Tracking Detectors

Sept. 11-15 2006, Carmel, California, USA

First Circular (April 16, 2006)

The 6th International “Hiroshima” Symposium on the Development and Application of Semiconductor Tracking Detectors will be held on September 11-15, 2006 at the Carmel Mission Inn, Carmel, California, USA.

This year’s symposium will start with a special one day “Tracking Workshop” in honor of Abe Seiden’s 60th birthday (“Abe Fest”).

Deadlines

June 1	Submission of Abstracts
June 11	Early Registration ends
August 11	Symposium Registration ends
August 11	Hotel Registration ends
August 15	Submission of Conference Record
October 1	Submission of NIMA article (tentative)

Symposium Information and Contact

The information about the Symposium is getting updated frequently on the web site <http://scipp.ucsc.edu/STD6>. All communications should be directed by e-mail to STD6@scipp.ucsc.edu or one of the local organizers.

Symposium Program

The scientific program (see attached) consists of invited talks and contributed papers, which will be assigned an **oral** presentation or a **poster** by the organizing committee. **All talks are plenary.** The program will be updated frequently on the web site as needed.

Scientific Contributions

Scientific contributions to the Symposium program are welcome and **abstracts** should be submitted before the **June 1 deadline**. In addition, we request submission by **August 15** of a paper for the on-line “**Conference Record**,” which can be free in format and can contain color figures. This will provide the participants with a way to learn about the topics of the contributions ahead of time. The **final paper** for inclusion in the conference issue in **NIMA** has a **tentative deadline of Oct. 1**, and needs to conform to the rules of Elsevier (<http://authors.elsevier.com/journal/nima>).

Oral presentations should be submitted **the day before the talk** on a USB memory stick for uploading.

<http://scipp.ucsc.edu/STD6>

e-mail: STD6@scipp.ucsc.edu

Registration

Registration for the **five day Symposium** can be done two ways:

a) by mail and US \$ check:

Download the registration form from the symposium web site, fill it out and mail it back with the check covering the applicable registration fees to:

Robin Shaw
PBSci Div. Resources
1156 High Street
UC Santa Cruz
Santa Cruz, CA 95064

b) With a credit card and fax.

Download the STD6 registration form from the symposium website, fill it out and fax it back to (831) 459-3422, attention Jonathan Miller.

Registration for the **one day “Abe Fest”** is done by **mail and US \$ check**. Download the registration form from the “Abe Fest” web site, fill it out and mail it with a check covering the applicable registration fees to the address above.

We would appreciate you registering before the **June 11, 2006 early registration deadline** to help facilitate the planning of the event.

Registration for the Symposium and Abe Fest **closes August 11, 2006**.

Registration Fees

Different registration fees apply for the one-day Tracking Workshop (“Abe Fest”) on Monday, September 11 and the 5-day Symposium (which includes the “Abe Fest”), respectively.

	Fee	Included:
1 day “Abe Fest” Sept. 11	\$ 50	Breaks, Lunch
5 day Symposium before June 11	\$ 320	Proceedings, Breaks, Lunches, Tue Wine Tasting, Thu Dinner, Excursion
5 day Symposium after June 11	\$ 400	
5 day Symposium Student before June 11	\$ 200	
5 day Symposium Student after June 11	\$ 300	
5 day Symposium Spouse / Partner	\$ 70	Wine Tasting, Dinner, Excursion
Banquet Rancho Cañada G. C. Sept. 11	\$ 80	Transportation

Symposium Site

The Symposium will be held at the

Carmel Mission Inn
3665 Rio Road
Carmel, California (CA) 93923
<http://www.carmelmissioninn.com/>
Toll Free: 800-348-9090 Local: 831-624-1841 Fax: 831-624-8684

We reserved a **block of rooms** at the Carmel Mission Inn, at a **special rate of \$119** per night **until August 11, 2006**. Although there are many other options for accommodations in Carmel and the surrounding area, you will need a car to reach the conference venue from them. Thus it will be prudent to reserve a room soon, by contacting the Carmel Mission Inn directly. Make sure to **mention "SCIPP"** when making the reservation. You may extend your stay at Carmel Mission Inn either before or after the Symposium and still take advantage of the reduced rate. Please inform us when you have reserved a room.

Social Events

We have planned a few social events.

On Sunday, September 11, we will have a no-host reception at the Symposium hotel.

The banquet will be held on the first day of the conference (Monday, September 11) at the Rancho Cañada Golf Club in Carmel Valley, which is about ½ mile from the Symposium site. The fee is \$80/person.

(The costs of the following events are included in the registration fee.)

On Tuesday evening, there will be a wine tasting event at the Symposium site.

For Wednesday afternoon, we have planned an excursion to Point Lobos, a State Park just south of the Symposium site and the start of the Big Sur Coast (the Symposium poster shows a typical view of the shore).

For Thursday evening, we arranged for a Fondue+Shabu-Shabu dinner at a nearby Swiss-owned restaurant, typical of the California cultural mix.

Spouses/Partners Program

We will organize a program for accompanying spouses/partners to make the visit to Carmel a memorable one.

Carmel

Carmel is one of the premier vacation spots in the US, offering a variety of activities from golf to hiking, driving down the scenic Big Sur highway and visiting the Carmel Mission and Monterey and its famous aquarium. The Symposium website has links to these activities and recommends a few books to get you acquainted with the area.

Carmel Weather

September is nice in Carmel; mostly sunny, with a few days of fog. No rain is expected, but bring some warm clothes.

Please don't hesitate to contact us if you have questions or if you need assistance with making arrangements.

Regards,

The STD6 and "Abe Fest" local organizing committee:

Michael Dine, Alex Grillo, Georgia Hamel, Robert Johnson, Charles Prescott,

Terry Schalk, Bruce Schumm, James Siegrist, Hartmut Sadrozinski (chair)

<http://scipp.ucsc.edu/STD6>

e-mail: STD6@scipp.ucsc.edu



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Program (all Sessions at the Carmel Mission Inn)

4/18/06

Sunday, Sept. 10, 2006

17:00 -19:00 Welcoming Reception Carmel Mission Inn

Monday, Sept. 11, 2006

9:00 – 10:00 Registration and Gathering

10:00 – 13:00 Morning Session of Tracking Workshop (Abe Fest)

Lessons Learned from Recent Tracking Systems

(Mark 3, Mark 2, SLD, LPS, BaBar, SDC, SCT, Front-End Electronics)

14:00 – 17:30 Afternoon Session of Tracking Workshop (Abe Fest)

Expectations for Future Tracking Systems

(LHC upgrade, ILC, Space, Vision)

Science Planning and Vision of Instrumentation

18:30 Banquet Rancho Cañada Golf Club

Tuesday, Sept. 12, 2006

8:30 – 12:30 Morning Session: Simulations & Manufacturing

Simulation of Electrical Parameters

New Structures

Isolation Techniques

New Wafer Materials

14:00 – 18:00 Afternoon Session: Pixel Technology

Hybrid Pixels

MAPs

CCDs

3-D detectors

SOI CMOS detectors

DEPFETs

18:30 Wine Tasting Carmel Mission Inn

Wednesday, Sept. 13, 2006

8:30 – 12:30 Morning Session: Strip Technology

Double-sided SSD

n-on-n SSD

p-type SSD

Testing and Q/A

Large-scale Applications in HEP

Afternoon Excursion to Point Lobos

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Program, continued

Thursday, Sept. 14, 2006

8:30 – 12:30 Morning Session: New Materials & Electronics
Radiation Tolerance
New Materials
Integration of Electronics & Detectors
Electronics

14:00 – 18:00 Afternoon Session: System Issues
Mechanics
Cooling
Integration
Alignment
DAQ

18:30 Dinner Lugano Swiss Bistro

Friday, Sept. 15, 2006

8:30 – 12:30 Morning Session: Applications in Astrophysics
Space Missions
Ground Experiments
X-ray Detection
Compton Detectors
IR detection

14:00 – 16:00 Afternoon Session: Applications in Medicine / Biology/ Condensed Matter
Structure of Matter
Medicine / Biology
Synchrotron Radiation
Special Applications

Poster Sessions: Tuesday – Thursday during AM and PM Coffee breaks